CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Plant, Richmond, Va., Du Pont Rayon Co., plans $8,000,000 to $10,000,000.

Club and office, Chicago, Ill., High Noon Club (Masons') plans, $5,000,000.

Reservoir, etc., Rifle, Colo., Hunter Mesa Irrigation Co., plans, $3,000,000.

Waterworks, San Francisco, Calif., Spring Water Valley Co., plans, $2,231,950.

Apartment, Chicago, Ill., R. S. De Goyler & Co., archts., prepared plans and soon takes bids for **W. C. Bannerman & Co.,** $2,000,000.

Church and hotel, New York, N. Y., Tillion & Tillion, archts., soon lets contract for Manhattan Congregational Church, $2,000,000.

Sewers, Troy, N. Y., J. M. Caird, chemist, preparing report, $2,000,000.

Excavation, etc., Edinburg, Tex., Hidalgo Co., Water Control & Impvt. Dist. 6, soon takes bids, $1,600,000.

Lodge, Seattle, Wash., B.P.O.E. 92, soon lets contract, $1,500,000.

Memorial, Lincoln City, Ind., Lincoln Union Executive Com., having plans prepared, $1,265,000.

Hospital, Kansas City, Mo., Schloss Memorial Hospital, having sketches made, $1,250,000.

Store, Hammond, Ind., Kaufman Wolf, soon lets contract, $1,250,000.

Road improvement, Centerville, Tex., Leon Co., making plans, $1,149,473.

Club and hotel, Redondo Beach, Calif., Redonda Beach Lodge of Elks, having sketches made, $1,000,000.

Apartment, East Orange, N. J., J. B. Peterkin, archt., takes bids about Nov. 1, for Thirty Nine Prospect Street Corp., $1,000,000.

Auditorium, Seattle, Wash., Bd. Pub. Wks., soon takes bids, $1,000,000.

High school, Glendale, Calif., Glendale Union High School Dist., having plans prepared, $1,000,000.

Bids Desired

High school, Trenton, N. J., Bd. Educ., taking bids general contract, $3,000,000.

Bids Received

Shops, New York, N. Y., Bd. Transportation from Eastern Constr. Co., $4,170,000.

Dredging, Los Angeles, Calif., U. S. Engineers Office, from San Francisco Bridge Co., $1,239,000.

Contracts Awarded

Apartment, Chicago, Ill., Powhattan Building Corp., general contract to C. B. Johnson & Son, Inc., archts. est., $2,500,000.

Theater, San Francisco, Calif., Capitol Co., to Macdonald & Kahn, approximately $2,000,000.

Office, Minneapolis, Minn., Yeates Building Co., general contract to Madsen Constr. Co., archts. est., $1,750,000.

Hospital, Brooklyn, N. Y., Cord & Hewitt, archts., for St. John's Hospital, to W. Kennedy Constr. Co., $1,600,000.

Hotel, New York, N. Y., M. Kurzrock, will build by separate contracts, $1,600,000.

University, Los Angeles, Calif., University of California, to J. C. Bannister, $1,494,816.

School, Chicago Ill., Bd. Educ., to H. A. Hanson Constr. Co., $1,029,677.

Apartment, New York, N. Y., Arezzo Corp., to T. E. Rhoades Co., archts. est., $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Oct. 7	New York, N. Y.	Oct. 6
Oct. 10	Eupora, Miss.	Sept. 29
Oct. 11	Lake Forest, Ill.	Sept. 22
Oct. 11	Pittsburgh, Pa.	Oct. 6
Oct. 14	Long Island City, N. Y.	Oct. 6
Oct. 15	Devine, Tex.	Oct. 6
Oct. 17	Fort Smith, Ark.	Sept. 29
Oct. 17	Mount Kisco, N. Y. Adv. Sept. 29 and Oct. 6.	Oct. 6
Oct. 19	Newark, N. J. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 25	St. Louis, Mo.	Sept. 29
Oct. 26	Parkersburg, W. Va. Adv. Oct. 6.	Oct. 6
Nov. 30	New Orleans, La. Adv. Oct. 6.	Oct. 6

Sewers

Oct. 6	Pittsburgh, Pa.	Oct. 6
Oct. 7	Chester, Pa.	Sept. 22
Oct. 7	Parma (br. Cleveland), O.	Oct. 6
Oct. 10	Des Moines, Ia.	Oct. 6
Oct. 13	Chickasha, Okla.	Oct. 6
Oct. 13	Boston, Mass.	Oct. 6
Oct. 14	New York, N. Y.	Oct. 6
Oct. 18	Perham, Minn.	Sept. 29
Oct. 19	Houston, Tex.	Sept. 15
Oct. 21	New Orleans, La. Adv. Aug. 25 to Oct. 6.	Aug. 25
Oct. 24	Mamaroneck, N. Y. Adv. Oct. 6.	Oct. 6
Oct. 31	Dayton, O.	Sept. 29
Nov. 1	Birmingham, Ala.	Oct. 6
Nov. 15	Delphos, O.	Sept. 15
Nov. 20	Canton, O.	Sept. 8

Waste Disposal

Nov. 10	Richmond, Va. Adv. Oct. 6.	Oct. 6

Bridges

Oct. 7	Connecticut	Oct. 6
Oct. 9	Ohio	Sept. 22
Oct. 10	Hershey, Neb.	Sept. 22
Oct. 10	Seattle, Wash.	Sept. 22
Oct. 10	New Jersey	Sept. 29
Oct. 10	Marengo, Ia.	Oct. 6
Oct. 10	Carrier, Okla.	Oct. 6

Bids close		*See Eng. News-Record*
Oct. 11	Peekskill, N. Y. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 13	Dayton, O.	Sept. 22
Oct. 13	Bastrop, La.	Sept. 29
Oct. 14	Ashland, Kan.	Sept. 29
Oct. 14	New York and New Jersey. Adv. Oct. 6.	Oct. 6
Oct. 14	Greenfield, Okla.	Oct. 6
Oct. 15	New Philadelphia, O.	Oct. 6
Oct. 17	Newark, N. J. Adv. Sept. 29 and Oct. 6.	Oct. 6
Oct. 31	Buffalo, N. Y. Adv. Sept. 29 and Oct. 6.	Sept. 29
Nov. 3	Chicago, Ill.	Sept. 29

Dams

Oct. 10	Rye, N. Y. Adv. Sept. 29 and Oct. 6.	Sept. 29

Excavation, Drainage, Irrigation, Levees, River and Harbor

Oct. 14	Carrollton, Ill.	Oct. 6
Oct. 15	Grass Valley, Calif.	Oct. 6
Oct. 19	New Orleans, La.	Oct. 6
Nov. 3	Louisiana Adv. Oct. 6.	Oct. 6

Streets and Roads

Oct. 7	New York Adv. Sept. 22 to Oct. 6.	Sept. 22
Oct. 7	Pittsburgh, Pa.	Oct. 6
Oct. 8	New Martinsville, W. Va.	Oct. 6
Oct. 8	Lewisburg, W. Va.	Oct. 6
Oct. 9	Paris, Ark.	Sept. 29
Oct. 9	Ohio	Sept. 22
Oct. 10	Weston, W. Va.	Oct. 6
Oct. 10	Birmingham, Ala.	Sept. 15
Oct. 10	Birmingham, Ala.	Sept. 22
Oct. 10	New Jersey	Sept. 29
Oct. 10	California	Sept. 29
Oct. 10	Houston, Tex.	Sept. 29
Oct. 10	Colorado	Oct. 6
Oct. 10	Iowa	Oct. 6
Oct. 11	Crafton, Pa.	Oct. 6
Oct. 11	Oklahoma City, Okla.	Oct. 6
Oct. 11	Buffalo, N. Y.	Oct. 6
Oct. 11	Brooklyn, N. Y.	Oct. 6
Oct. 11	St. George, N. Y.	Oct. 6
Oct. 11	Wisconsin	Oct. 6
Oct. 11	Nebraska	Oct. 6
Oct. 11	Minot, N. D.	Oct. 6

Bids close		*See Eng. News-Record*
Oct. 11	Great Bend, Kan.	Sept. 15
Oct. 11	Washington	Sept. 22
Oct. 11	Louisiana	Sept. 29
Oct. 11	Massachusetts	Sept. 29
Oct. 11	Seminole, Okla.	Oct. 6
Oct. 12	Alabama	Sept. 22
Oct. 12	Baltimore, Md.	Oct. 6
Oct. 12	San Benito, Tex.	Oct. 6
Oct. 13	Austin, Tex.	Oct. 6
Oct. 13	Wellington, Kan.	Sept. 22
Oct. 14	Grenada, Miss.	Oct. 6
Oct. 14	Pennsylvania Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 14	New York, N. Y.	Oct. 6
Oct. 14	Brooklyn, N. Y.	Oct. 6
Oct. 15	Anderson, Ind.	Sept. 29
Oct. 15	Hinckley (br. Medina), O.	Sept. 22
Oct. 15	Dodge City, Kan.	Sept. 29
Oct. 15	New Philadelphia, O.	Oct. 6
Oct. 17	San Diego, Calif.	Oct. 6
Oct. 17	New Jersey Adv. Sept. 29 and Oct. 6.	Oct. 6
Oct. 17	Michigan	Sept. 29
Oct. 18	Louisiana	Oct. 6
Oct. 18	West Virginia	Oct. 6
Oct. 18	North Carolina	Oct. 6
Oct. 18	Sedan, Kan.	Sept. 29
Oct. 18	Ocilla, Ga.	Oct. 6
Oct. 18	Minnesota	Oct. 6
Oct. 19	New Kensington, Pa.	Oct. 6
Oct. 20	Louisiana	Oct. 6
Oct. 20	Michigan	Sept. 29
Oct. 24	Michigan	Sept. 29
Oct. 25	Washington	Oct. 6
Oct. 25	Hutchinson, Kan.	Oct. 6
Oct. 28	Kentucky	Oct. 6
Nov. 1	Birmingham, Ala.	Oct. 6

Buildings—Commercial

Oct. 10	New York, N. Y.	Oct. 6
Oct. 11	Liberty, Tex.	Sept. 29
Oct. 11	Brooklyn, N. Y.	Sept. 29
Oct. 12	Fairview, Okla.	Oct. 6
Oct. 13	White Plains, N. Y.	Sept. 29
Oct. 14	Bristol, Conn.	Oct. 6
Oct. 15	Indianapolis, Ind.	Oct. 6
Oct. 15	Port Arthur, Tex.	Sept. 22
Oct. 15	San Angelo, Tex.	Sept. 29
Oct. 17	New York, N. Y.	Sept. 22
Oct. 17	San Francisco, Calif.	Oct. 6
Oct. 18	California	Oct. 6
Oct. 18	Cincinnati, O.	Sept. 29

See proposal advertising on page 151

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TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Eliminating Repairs and Maintenance Costs

TRENTON WATER WORKS, Trenton, N. J., has been using Leadite for making joints in c. i. bell and spigot water mains for a great many years with entire satisfaction.

They have laid nearly 75 miles of c. i. pipe of various sizes with Leadite joints.

Trenton has very good paved streets and they have never had to dig up a Leadite joint for repairs during all the time they have been using Leadite. They consider this excellent performance for Leadite joints.

They find the use of Leadite has reduced to a minimum repairs and maintenance costs.

Trenton Water Works has always found Leadite joints efficient and economical.

They keep a check on their distribution system by water waste surveys.

During the severe winter of 1917-18 Trenton Water Works had over 2000 frozen services. Many of these services were connected to mains laid with Leadite joints. They had no difficulty in thawing, with electrical apparatus, services connected with mains which were laid with Leadite joints.

Mr. Alvin Bugbee is Superintendent of the Trenton Water Works.

Specify and use **LEADITE** It saves at least 75%

Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Bids close		See Eng. News-Record
Oct. 19	Brooklyn, N. Y.	Oct. 6
Oct. 20	New Orleans, La.	Oct. 6

Buildings—Educational, Religious

Oct. 7	Valley View, Pa.	Oct. 6
Oct. 8	Hartford, Conn.	Oct. 6
Oct. 10	Atlanta, Ga.	Sept. 29
Oct. 10	West Liberty, W. Va.	Oct. 6
Oct. 11	Muncie, Ind.	Oct. 6
Oct. 11	Trenton, N. J.	Oct. 6
Oct. 13	Rutland, Vt.	Oct. 6
Oct. 13	Chicago, Ill.	Oct. 6
Oct. 14	Mt. Clemens, Mich.	Sept. 29
Oct. 17	Cleveland Heights (Warrensville P. O.), O.	Oct. 6
Oct. 19	Amenia, N. Y. Adv. Sept. 15 to Oct. 6.	Sept. 15

Federal Government Work

Oct. 10	Dredging—Norfolk, Va.	Sept. 15
Oct. 10	Post Office—Wilson, N. C.	Sept. 29
Oct. 10	Clearing Site—Denver, Colo.	Oct. 6
Oct. 11	Earthwork—St. Louis, Mo. Adv. Sept. 29 and Oct. 6.	Oct. 6
Oct. 11	Pump—Bedford, Mass.	Sept. 22
Oct. 11	Canteen Building—Northport, N. Y.	Sept. 15
Oct. 12	Compass House—Cape Hatteras, N. C. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 12	Electrical Distribution System—Great Lake (mail Waukegon), Ill.	Sept. 29
Oct. 14	Beartrap Leaves—Louisville, Ky. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 14	Wash Houses—Camp Perry (br. Port Clinton), O.	Oct. 6
Oct. 14	Heating System—Springfield, Mo.	Oct. 6
Oct. 14	Heating System—Fayetteville, Ark.	Oct. 6
Oct. 14	Heating System—Corinth, Miss.	Oct. 6
Oct. 14	Heating System—Memphis, Tenn.	Oct. 6
Oct. 19	Barracks—Camp Mead, Md. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 19	Post Office—Akron, O.	Sept. 22
Oct. 20	Dredging—Oakland, Calif.	Oct. 6
Oct. 20	Barracks—Camp Devons, Mass. Adv. Sept. 29 and Oct. 6.	Oct. 6
Oct. 21	Elevator—Portsmouth, N. H.	Oct. 6
Oct. 21	Barracks—Fort Lewis, Wash. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 21	Remodeling—Pasadena, Calif.	Sept. 29
Oct. 21	Dredging—Pennsylvania	Sept. 29
Oct. 22	Barracks—Ft. Sam Houston (sta. San Antonio), Tex. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 24	Hospital—Fort Lewis, Wash. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 25	Earthwork, etc.—Salt Lake City, Utah	Sept. 22
Nov. 23	Refrigerating Plant—Pearl Harbor, N. H.	Oct. 6
Nov. 23	Generating Plant Equipment—Pearl Harbor, T. H.	Sept. 22
Nov. 23	Barracks, etc.—Pearl Harbor, T. H.	Sept. 22

Unclassified

Oct. 7	Stairs, etc.—New York, N. Y.	Sept. 29
Oct. 7	Subway Stations—Phila., Pa.	Sept. 29
Oct. 10	Electric Switch and Control—Phila., Pa.	Oct. 6
Oct. 11	Park Improvements—Brooklyn, N. Y.	Oct. 6
Oct. 13	Heating, Plumbing, etc.—Chicago, Ill.	Oct. 6
Oct. 17	Subway—Martinez, Calif.	Oct. 6
Oct. 17	Wharf—Alabama	Sept. 29
Oct. 18	Station—Cambridge (br. Boston), Mass.	Oct. 6
Oct. 19	Track Work—Boston, Mass.	Sept. 29
Oct. 19	Boston, Mass.	Sept. 29
Oct. 19	Mechanical Equipment—Brooklyn, N. Y.	Oct. 6
Oct. 26	Heating, etc.—Wingdale, N. Y. Adv. Sept. 29 and Oct. 6.	Sept. 29
Oct. 26	Heating, etc.—Creedmoor (mail Floral Park), N. Y. Adv. Sept. 29 and Oct. 6.	Sept. 29

Materials

Oct. 10	Pipe—Hanford, Calif.	Sept. 29
Oct. 10	Transformers, Cables, etc.—Chicago, Ill.	Oct. 6
Oct. 11	Fuel Oil—Boston, Mass.	Oct. 6
Oct. 11	Wrought Iron Pipe—Boston, Mass.	Oct. 6
Oct. 13	Gravel—Mer Rouge, La.	Sept. 29
Oct. 13	Frogs, Switches, etc.—Phila., Pa.	Oct. 6
Oct. 14	Portland Cement—New York, N. Y.	Oct. 6
Oct. 17	Asphaltic Oil, etc.—New Jersey Adv. Sept. 29 and Oct. 6.	Oct. 6

News of the Week

Waterworks

Proposed Work

Tenn., Whiteville—Voted $20,000 bonds, waterworks.

Mich., Mt. Clemens — Plans complete waterworks, incl. intake in Lake St. Clair, filtration plant, pumping station and extending c.i. mains in various streets. $640,000 bonds voted for same. B. H. Harvey, City Hall, engr.

Mich., Muskegon—Making plans electrifying present water supply plant and installing three 6 m.g. centrifugal motor driven pumps, three 200 hp. a.c. motors, one 225 hp. gasoline engine, 3 transformers, oil switch metering house. $27,000. H. J. Lewis, City Hall, engr.

Kan., Dexter—Made preliminary estimates water supply and distribution system. $30,000. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, Mo., engrs.

Mont., Chinook—Making plans waterworks. To exceed $15,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Mont., Havre—Making plans waterworks. To exceed $15,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Tex., Memphis—See "Unclassified."

Okla., Ardmore—Made preliminary plans new 18 mi. 20 in. c.i mains to city lake. $300,000. S. Mathews, Ardmore, engr.

Okla., Mannford — Made preliminary plans new waterworks. $20,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Okla., Marshall — Voted $25,000 bonds, new well, triplex pump and motor and 5,800 ft. 4 and 6 in. c.i. mains in various streets. W. S. Sherman, 18 East Main St., Oklahoma City, engr. Noted Sept. 8.

Okla., Maud—Making preliminary plans new water supply incl. impounding reservoir, filter plant and pipe lines. $60,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Overbrook—A. Grotto, Ardmore, making plans impounding reservoir, dam and lake, near here. $75,000. S. Matthews, Ardmore, engr.

Okla., Talihna — Making plans waterworks. To exceed $15,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Calif., San Francisco — Spring Valley Water Co., 425 Mason St., making plans extending high pressure system in Daly Hill, Crocker, Amazon and Clay St. tank, etc., $50,000; 16,900 ft. 36- to 48-in. pipe to University Mound Dist., $301,000; constructing east half Stanford Heights reservoir, $70,000; 8,900 ft. 24 in. force main central station to Stanford Heights, $75,000; 13,300 ft. 20 in. pipe Stanford Heights to Presidio Heights, $110,000; 54 in. pipe line from San Andreas to Lake Honda, $1,485,950; also moving pumps and boilers to central station, $140,000. Private plans.

Calif., Ventura—Voted $315,000 bonds, extending waterworks, etc.

Bids Desired

N. Y., Long Island City—Oct. 14, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Roosevelt and Woodside Aves., 63rd and 68th Sts., etc., here.

N. Y., Mount Kisco — Oct. 17, by Bd. Village Trustees, F. R. Matthews, clk., mains and appurtenances in various streets; adv. E. N.-R. Oct. 6.

N. Y., New York — Oct. 7, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Birchall, Brady, Clarence, Cruger, East Bay Sts., etc.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Pa., Pittsburgh—Oct. 11, by City Controller, City County Bldg., constructing McNaugher Reservoir, 5.5 m.g., rein.-con. $90,000. Bureau of Engineering, City County Bldg., engrs.

W. Va., Parkersburg—Oct. 26, by City Council, waterworks. $400,000. Morris Knowles, Inc., Westinghouse Bldg., Pittsburgh, Pa., engrs.; adv. E. N.-R. Oct. 6.

La., New Orleans—Nov. 30, by Sewerage & Water Bd., 526 Carondelet St., waterworks, sewerage and drainage work during 1928. Work to be done on percentage basis. G. G. Earl, genl. supt.; adv. E. N.-R. Oct. 6.

Tenn., Nashville — Oct. 4, by Bd. Pub. Wks, 12 in. c.i. main over Jefferson St. Bridge and approaches. To exceed $15,000.

Tex., Devine—Oct. 15, by City, M. E. DuBose, mayor, waterworks, incl. steel tower and tank, 50,000 gal. capacity. $25,000. Walton & Arneson, 422 Gunter Bldg., San Antonio, engrs. Noted Sept. 15.

Tex., San Antonio—See "Unclassified."

Tex., San Benito — F. L. and B. W. Hinkly, taking bids, waterworks, incl. distributing system and pumping unit in residential sub-division. $25,000. Private plans.

Calif., Vallejo—A. E. Edgcumbe, city clk., taking bids repairing spillway at Lake Curry, Napa Co., in connection with municipal waterworks. T. D. Kilkenny, city engr.

Contracts Awarded

N. H., Epping—Waterworks, incl. standpipe mains and pumping station to reinforce present system, to Ames Constr. Co., Somersworth. Engrs. est. $30,000. Noted Sept. 8.

Mass., Weston — Water Comrs., Town Hall, 3,200 ft. 6- to 10-in. mains, etc., in various streets, to J. H. McClusker, 62 Church St., Waltham.

R. I., Providence—Bd. Contr. & Supply, brick pumping station, Bath St., to P. J. Flynn, 17 Exchange St., $21,725. Engrs. est. $30,000.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Avenues O, R and V, etc., to G. V. Cornell, 30 Egbert Pl., Rosebank, $6,760. Noted Sept. 22.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in 39th Ave., etc., to G. V. Cornell, 30 Egbert Pl., Rosebank, $5,400. Noted Sept. 2.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Columbus and 12th Aves. Bond, Dyckman, Isham Sts., etc., to Beaver Eng. & Contg. Co., 57 Chamber St., $31,920. Noted Sept. 29.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Amsterdam Ave., to Wataga Contg. Co., 308 Lenox Ave., $42,890. Noted Sept. 22.

Md., Oxford — City Comrs., pumping equipment, to Virginia Mchy. & Well Co., 1319 East Main St., Richmond, Va., $1,650; laying 14,325 ft. 6 and 8 in. mains in various streets, to W. G. Fritz Co., 69 Main St., West Orange, N. J., $8,421; also 100,000 gal. tank on 75 ft. tower, to Petroleum Iron Works Co., 25 West 43rd St., New

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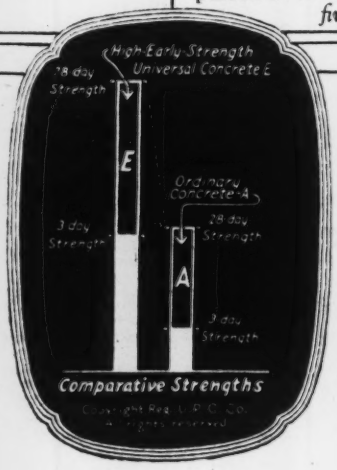
Especially Well Adapted to ROAD and STREET work

While *High-Early-Strength* Universal Concrete may be made as workable as desired and used on *all types* of jobs, the need for time-saving in construction of roads and streets makes it particularly adaptable for this field. Here are typical examples of how *High-Early-Strength* Universal Concrete has helped to prevent or shorten detour periods.

Conditions	Solution
Because *East Stratton Street, Logan, W. Va.*, is used by 5000 automobiles each day, the officials wished to give the public earliest possible use of the new pavement.	The builder used *High-Early-Strength* Universal Concrete. Sections were opened to traffic *3 days* after placing.
At *La Grange Park. Ill.*, a change of grades was necessary at three busy intersections. Each day's delay meant time-loss to hundreds of motorists.	Intersections were paved with *High-Early-Strength* Universal Concrete on *Tuesday* and opened to traffic early *Saturday* morning.
Michigan Street, Duluth's heaviest traveled business street had to be re-paved. Specifications permitted its being opened to heavy traffic only after the concrete had developed a compressive strength of 2000 lbs. per square inch.	*High-Early-Strength* Universal Concrete was used. Thirty-eight tests showed an average strength of *2130 lbs.* at *4 days* when the street was opened. A 10-day detour period was avoided.
Five days before the scheduled opening of the new *Sioux City-Le Mars, Iowa*, highway, paving was begun on the intersection that joins the road to the city.	*High-Early-Strength* Universal Concrete was used for the intersection and it and the highway were opened as scheduled. Three thousand automobiles passed over the intersection on the opening day—*five days* after the concrete was placed.



High-Early-Strength Universal Concrete is made by using fully tested methods with the usual materials, usual labor, usual equipment, and standard—not special—Universal cement. At *3 days* its strength is equal to the strength of ordinary concrete at *28 days*, and in addition it also has a higher *ultimate* strength, and therefore is *permanently* better and stronger concrete. (See diagram.) For details, send in the accompanying coupon.

Name .....

Address .....

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago
Without obligation, please send me detailed information on methods of securing strong concrete in 3 days with the usual materials and equipment.
ENR 10-6-27

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

York City, $6,310. Grand total $16,381. Noted Sept. 15.

O., Dayton—See "Sewers."

Mich., Saginaw—City, diesel engine for waterworks plant, to General Electric Co., River Rd., Schenectady, N. Y., $91,873.

Kan., Longton—Water-mains and sewers in various streets, to W. B. Carter, 1509 East Admiral Blvd., Tulsa, Okla. Engrs. est. $60,000.

Okla., Oklahoma City—Extending 37,300 ft. 6- to 10-in. c.i. mains in various streets, to Sherman Iron Wks., 18 East Main St., $58,401. Engrs. est. $60,000

Calif., Watsonville—For 14,795 ft. 4- to 10-in. c.i. pipe, etc., for waterworks, to Welch Bros., Sebastopol, $16,790.

Ont., Thorold—J. A. Clark, clk. Thorold Twp. Fonthill, elevated tank, to Horton Steel Co., Bridgeburg, $9,985; filters, to W. J. Westaway Co., 38 Main St. W., Hamilton; and machinery, to Francis Hankin Co., 598 Union St., Montreal, Que.

Sewers

Proposed Work

Massachusetts—Dept. Pub. Health, State House, Boston, rejected bids Sept. 14, sewers, etc. at Westfield State Sanatorium, Westfield, and North Reading Sanatorium, North Reading. Will probably readvertise. G. H. Bigelow, comr. Noted Sept. 8.

N. Y., Rensselaer—Making preliminary plans intercepting sewerage system and disposal plant. $500,000. R. Wheeler, 36 State St., Albany, engr.

N. Y., Troy—J. M. Caird, chemist, Cannon Pl., and R. Wheeler, engr., 36 State St., Albany, preparing preliminary report sewage disposal plant and intercepting sewerage system, here, for City. $2,000,000.

Ill., Wilmette—Making plans sewers in western part town (new addition). $500,000. C. N. Roberts, 105 North Clark St., Chicago, engr.

Wis., Wauwatosa — Making plans approximately 12,000 ft. sewers in Blue Mound Manor Subdivision. $38,000. R. H. Washburn, 460 5th Ave., engr.

Mont., Chinook—Making plans sewerage system. To exceed $25,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs.

Mont., Havre—Making plans sewers in various streets. To exceed $25,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Tex., Memphis—See "Unclassified."

Tenn., Springfield—Plans sewers in various streets. $100,000.

Okla., Marshall — Voted $50,000 bonds new sewerage system, incl. Imhoff tank, 25,900 ft. 8- to 12-in. vitr. clay pipe in all streets. W. S. Sherman, 18 East Main St., Oklahoma City, engrs. Noted Apr. 28.

Okla., Sapulpa—Takes bids in late fall sewer improvements; $550,000 funds available. C. Schiltz, city engr.

Okla., Tulsa—Made preliminary plans 11,000 ft. 36 in. segmental block storm sewers in Peoria Ave. $28,000. C. Schultz, City Hall, engr.

Okla., Wewoka—Made preliminary surveys 20,000 ft. 8 and 10 in. vitr. lateral sewers, etc., in Bluff View Addition. $25,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Long Beach—Soon takes bids vitr. and rein.-con. sewers, 2 pumping stations, etc., in industrial section city. To exceed $500,000. Noted Sept. 29.

Calif., Pittsburg — Making plans 4,800 lin.ft. 8 and 12 in. vitr. sewer, etc. in western section city. G. Oliver, city engr.

Calif., Redwood City—San Mateo Co. rejected bids sewer in South San Francisco D. D. 1. Noted Sept. 29.

Calif., San Francisco—City provided $50,000 funds (1st unit) main sewer in Fillmore St. M. M. O'Shaughnessy, city engr.

Calif., Ventura—Voted $210,000 bonds, extending sewers in various sections city.

Bids Desired

Mass., Boston—Oct. 13, by Dept. Pub. Wks., sewerage works in East Boston and West Roxbury. $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Oct. 14, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Stanley and Hopkinson Aves.

N. Y., Mamaroneck — Oct. 24, by Bd. Sewer Comrs., Sewer Dist. 1, Edgewood Rd., sludge treatment plant, sewage sedimentation basins, etc. A. J. Foote, Hillside Arcade, Chatsworth Ave., Larchmont, engr.; adv. E. N.-R. Oct. 6.

Ala., Birmingham — Nov. 1, by City Comn., brick, terra cotta and concrete sewer in 8 blocks, Bessemer Rd., also Ave. Q, 49th St., Terrace M, and Ave. P., Ensley, $24,000; also 4 blocks 77th St., Rugby Ave., and near Howard College, $3,150. A. J. Hawkins, city engr.

La., New Orleans—See "Waterworks."

O., Parma (br. Cleveland)—Oct. 7, by Village, sewer in Groups O and P. To exceed $25,000. R. F. MacDowell, Chester Twelfth Bldg., Cleveland, engr.

Ia., Des Moines—Oct. 10, at office R. P. Bane, city clk., 17,899 ft. 10 in. vitr. clay sewers, 58 manholes, etc. in Windsor Sq. Section. R. P. Bane, city clk.

Tex., San Antonio—See "Unclassified."

Okla., Chickasha—Oct. 13, by C. A. Chinchall, city clk., 13,100 ft. 10 in. vitr. clay sewers, etc. in Dist. 62. $26,000. R. O. Bradley, Chickasha, engr.

Calif., Berkeley—City Clerk taking bids 1,533 lin.ft. 10- to 24-in. vitr. sewer, etc., in Heinz Ave. A. J. Edy, city engr.

Calif., Inglewood—Taking bids 6- to 8-in. vitr. sewer, etc. in Van Ness Ave., etc. $25,000 or more.

Calif., San Francisco — Bd. Pub. Wks. taking bids rein.-con. sewer in 30th Ave. $40,000. M. M. O'Shaughnessy, city engr.

Bids Received

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Sept. 27, two 25 x 29 ft., rein.-con. arch sewers, etc. in Sect. D River Des Peres Project, from Whitmire Constr. Co., Kansas City $2,277,217. Engrs. est. $3,100,000. Noted Sept. 17.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, sewerage works in various streets in West Roxbury and Brighton, to J. Todesca, Rosendale, $15,621 and $15,183, respectively. Noted June 9.

Conn., Hamden (br. New Haven)—For 27,770 ft. sewer in Highwood Sect., to N. C. Casciano, 20 Lilly Rd., West Hartford, $56,631. Noted Sept. 8.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in 90th St. and Lamont Court, etc., to R. Iovino, 678 Glenmore Ave., $1,007 and $826 respectively; in 67th and East 59th Sts., to Delmel Constr. Co., 7624 15th Ave., $7,298 and $2,469 respectively; and Kings Highway, to S. Guerriero, 1014 66th St., $37,080. Grand total $48,680. Noted Sept. 22.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Paterson Ave., to A. Spadaro, 2883 Coddington Ave., $1,230; in Paterson Ave., to P. Bruno, 1669 Holland Ave., $3,275; and in Edwards Ave., to Coddington Avenue Contg. Co., 2883 Coddington Ave., $5,820. Grand total $10,325. Noted Sept. 22.

New Jersey—Bd. Freeholders Bergen Co., Court House, Hackensack, catch basins, drains, etc. in Palisade Ave., Englewood, and constructing retaining wall on Grand Ave., Palisade Park, to E. Abraham, Hudson St., Hackensack, $37,952 and $12,765 respectively.

W. Va., Huntington — Vitr. sewers in Westmoreland Projects 4, 5, 6 and 7, to Amos Trainer & Son, Huntington, $31,994.

O., Dayton—Montgomery Co., 8- to 24-in. vitr. sewers in Patterson Park Plat, to E. Murray, 18 Cambridge Ave., $19,768, and 4- to 6-in. c.i. water mains, to V. Smith, 209 South Perry St., $12,085.

O., New Boston (sta. Portsmouth)—City Council, 1,035 ft. 66 in. double ring brick main sewer outlet in West Ave., to W. A. Henderson, Logan, $45,775.

O., Parma (br. Cleveland) — Sewers in Group M, to George Bros., Erie Bldg., $19,325; and Group N, to Hanna & Michael Constr. Co., 636 Huron Rd., $17,118.

Mich., East Grand Rapids (mail Grand Rapids) — Sewage disposal plant, tanks, sludge bed, approximately 475 cu.yd. rein.-con., to R. E. Towsend Corp., Ann Arbor, $74,535. Noted Sept. 22.

Ill., Springfield — Bd. Trustees Sanitary Dist., City Hall, G. T. Cresse, pres., sewage treatment plant, to Bierd, Lydon & Grandpre, Inc., 64 East Jackson Blvd., Chicago, $318,464. Engrs. est. $341,003. Noted Aug. 25.

N. D., Wimbledon—Sewerage system, to Haggart Constr. Co., 214 Roberts St., Fargo, approximately $30,000.

Kan., Longton—See "Water Works."

Mo St. Louis—Bd. Pub. Serv., 208 City Hall, constructing Highlands Joint Sewer, 5,970 ft. 12- to 66-in. vitr. clay, brick or segmental block pipe, etc. and Rock Creek Sewer Dist. 11, 6,255 ft. 8- to 24-in. vitr. clay pipe, etc., to Riley Contg. Co., 110 North 7th St., $51,498 and $16,367 respectively; South Hurst Dist. Sewer, 2,535 ft. 8- to 24-in. vitr. clay pipe, to Frazier-Davis Constr. Co., Arcade Bldg., $6,564; also Cheltenham Dist., Sewer 1, approximately 900 ft. 10 and 12 in. vitr. clay pipe, etc. to Martin & Reilly, 7227 Lindell Dr., $3,091 Grand total $77,520. Noted Sept. 8.

Calif., Inglewood—For 6 and 8 in. vitr. sewers in Municipal Impvt. Dist. 2, to Radich & Petel, 1253½ Sunset Blvd., Los Angeles, $68,342.

Calif., Los Angeles—Sewer, resurfacing, etc. Holmby Ave. between Santa Monica Blvd. and Balsam Ave., to J. Chutuk, Wilcox Bldg., $55,112.

Calif., Los Angeles — To C. E. Green, Western Mutual Life Bldg., 8,974 ft. 2 ft. 6 in. and 3 ft. 9 in. pre-cast pipe in Venice Outfall Sewer, Sect. 2, $114,507. Owner furnishes materials.

Calif., Manhattan Beach (P. O. Manhattan)—Sewers, etc., in various sections city, to J. C. Duncan, 5128 Maywood Ave., Eagle Rock, $149,937.

Calif., Oakland—City Port Comn., 75,000 ft. 4 in. tile drain for Municipal Airport, to Dickey Clay Products Co., 604 Mission St., San Francisco, $4,425; concrete pipe, to Merritt Concrete Products Co., San Jose, $14,000; laying pipe, to Oakland Sewer Constr. Co. Builders Exchange, $21,669; rock or gravel, to J. Costello, San Leandro, $10,850. Grand total $50,944.

Que., Montreal—Brick sewer in Maplewood Ave., to J. Loranger, 121 De Boucherville St., $147,000.

Waste Disposal

Proposed Work

N. Y., Troy—Bd. Estimate & Apportionment making plans garbage incinerating plant, Brunswick Ave. and Oakland Avenue Rd. $150,000. G. S. Thompson, 257 Bway., consult. engr.

Bids Desired

Va., Richmond—Nov. 10, at office R. K. Compton, dir. Pub. Wks., garbage incinerator; adv. E. N.-R. Oct. 6.

Bridges

Proposed Work

Mass., Medford — Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, made surveys bridge over Mystic River opposite Harvard and Mystic Sts., South Medford, and widening Harvard St. back to Somerville Line. $350,000-$400,000. J. R. Rablin, c/o owner, engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Oct. 15, 2 concrete and steel bridges over Tennessee River, one at Niles Ferry, Monroe Co. $190,000 and other near Perryville, Perry Co. $900,000. C. N. Bass, highway comr. Noted May 26 and July 14.

Tenn., Nashville — See "Streets and Roads."

Tex., Archer City—See "Streets and Roads."

Tex., Centerville — See "Streets and Roads."

Tex., Lefors—See "Streets and Roads."

Tex., Sherman—See "Streets and Roads."

Tex., Wharton—See "Streets and Roads."

Okla., Haywood—State Hy. Dept., Oklahoma City, making preliminary plans 2 span 194 ft. steel truss bridge on piers over Hurricane Creek, on Road 3, west of here, Pittsburg Co. $60,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Okla., Pocasset—Grady Co. making preliminary plans 2 span 96 ft. steel truss bridge on piers over Pocasset Creek, on County Road 7. $35,000. P. A. Little, Chickasha, engr.

Calif., Los Angeles—Made plans five 62 ft. span rein.-con. girder viaduct over Los Angeles River, on Washington St. $200,000. M. Butler, Los Angeles, bridge engr.

Calif., Orick — State Hy. Dept., Sacramento, plans concrete bridge over Prairie Creek, point 1 mi. from here, and bridge over Los Man Creek, point 3 mi. from here, Humboldt Co. $30,000. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., San Rafael — Marin Co., made plans concrete and steel bridge over Walker Creek, on Millerton Fall Rd. R. Messner, San Rafael, co. surv.

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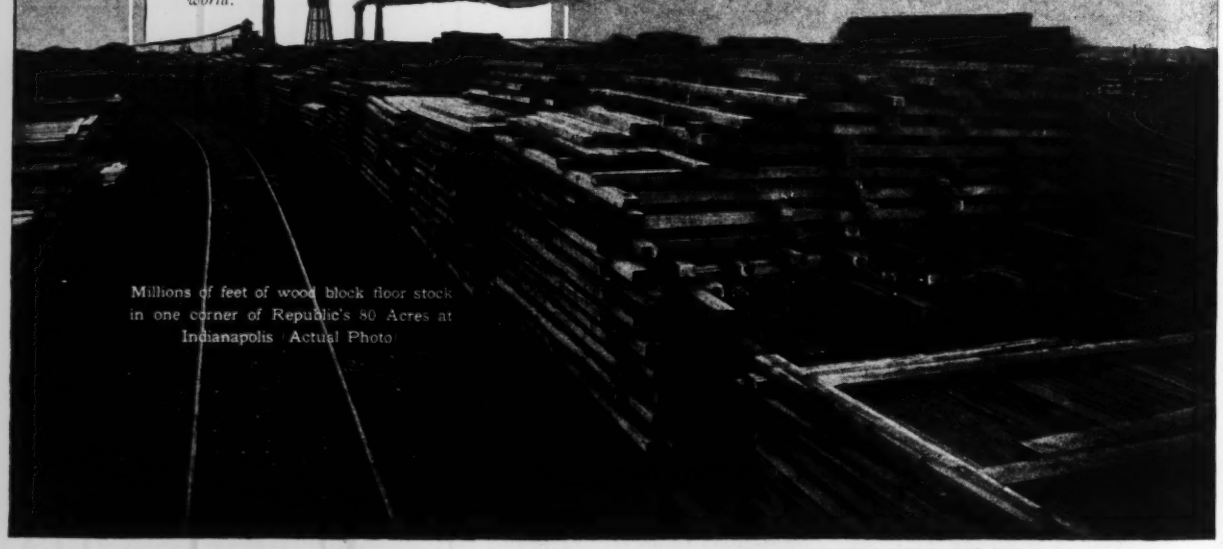

Millions of feet of wood block floor stock in one corner of Republic's 80 Acres at Indianapolis Actual Photo

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OTHER PLANTS

ST. LOUIS PARK, MINN. SEATTLE, WASH. MOBILE, ALA. NORFOLK, VA. SALT LAKE CITY, UTAH

Bridges (Continued)

Bids Desired

Connecticut—Oct. 7, by J. A. MacDonald, comr. State Hy. Dept., Hartford, 45 ft. span rigid frame bridge over Little River on Scotland-Canterbury Rd., in Scotland, and 40 ft. span concrete girder bridge over Raymond Brook, on Colchester-Hebron Rd., in Hebron; substructure and approaches for elimination grade crossing and new bridge over Naugatuck River at Castle Bridge, in Harwinton and Litchfield; concrete retaining wall at Windsor Underpass, in Windsor; also rein.-con. paving 771 lin.ft. approaches to Johnson's Bridge over the New York, New Haven & Hartford R.R. tracks, in East Hampton. D. H. B. Starr, Poliner Bldg., Middletown, div. engr.

New York and New Jersey—Oct. 14, at office J. E. Ramsey, ch. executive officer Port Authority, 75 West St., New York City, concrete decks of Outerbridge Crossing and Elizabeth Howland Hook Bridge over Arthur Kill between Staten Island, N. Y. and New Jersey; adv. E. N.-R. Oct. 6. Noted Sept. 2.

N. J., Newark—Oct. 17, at office State Hy. Comn., Trenton, bridges, retaining walls, and other steel, rein.-con. or masonry structures for Sect. 13, Route 1 extension, here, Essex Co. A. L. Grover, secy.; adv. E. N.-R. Oct 6. Noted July 28.

W. Va., Lewisburg — See "Streets and Roads."

North Carolina—Oct. 18, by State Hy. Comn., Raleigh, rein.-con. bridges, etc., over Tar River, on Project 182, at Greenville, in Pitt Co., $160,000; Project 604, Alexander Co., $48,000; and Project 335, Columbus Co., $40,000.

O., New Philadelphia—Oct. 15, by Comrs. Tuscarawas Co., concrete bridge over Stillwater Creek. $36,802.

Ia., Marengo—Oct. 10, at office Auditor Iowa Co., one 32 x 18 ft. and one 20 x 16 ft. I-beam, one 85 x 16 ft., 50 x 16 ft. and 45 x 16 ft. pony truss bridges. W. W. Thorn, Marengo, co. engr.

Nebraska—See "Streets and Roads."

Mo., St. Louis — See "Contracts Awarded."

Okla., Carrier—Oct. 10, by L. B. Lewis, clk., Garfield Co., Enid, 2 span 118 ft. rein.-con. trestle, here. $32,000. F. W. Denner, Enid, engr.

Okla., Greenfield — Oct. 14, by Clerk Blaine Co., Watonga, 9 span, 170 ft. rein.-con. bridge with 100 ft. pile trestle approach, here. $37,000. C. G. Wood, Watonga, engr.

Bids Received

New York and New Jersey—Port of New York Authority, 75 West St., New York City, Oct. 3, from McClintic Marshall Co., Oliver Bldg., Pittsburgh, Pa., constructing towers and anchors for Hudson River Bridge from Fort Washington, N. Y., to Fort Lee, N. J., Contr. HRB-5 (wire cable) $22,746,620, towers, Contr. HRB-5A, (wire cable) $10,134,440, towers only, Contr. HRB-5A, (eye bar cable) $10,640,040; from Amer. Bridge Co., 30 Church St., New York City, towers and anchors, Contr. HRB-5, (eye bar cable) $24,485,370, anchors only, Contr. HRB-5B, (wire cable) $14,969,455, and Contr. HRB-5B, (eye bar cable) $13,985,605; from J. A. Roebling Sons, South Broad and Sanal Sts., Trenton, furnishing wire cable, Contr. HRB-5D, $12,339,977. Noted Aug. 4.

Contracts Awarded

Pa., Beaver Falls — Pittsburgh & Lake Erie R.R. Co., A. R. Raymer, ch. engr., Pittsburgh, 540 ft. ramp bridge, 16 ft., on Bridge St., to Fred Bruner Co., Columbia Bank Bldg., Pittsburgh. Engrs. est. $25,000.

Florida—State Roads Dept., Tallahassee, constructing bridges, East and West Bay Projects 680 and 681, Road 10, Bay Co., to North Western Florida Corp., Panama City, $1,272,000. Noted May 26.

Kan., Eldorado — See "Streets and Roads."

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, will alter and repair concrete and steel bridge over Mill Creek Valley, on 21st St., by day labor. $25,000. Private plans.

Tex., Laredo—See "Streets and Roads."

Okla., Kenton—State Hy. Dept., Oklahoma City, 24 span 446 ft. pile trestle bridge, Cimarron Co., here, to L. N. Swope & Son, Cimarron, N. Mex., $24,811. Engrs. est. $27,500. Noted Aug. 25.

Washington—See "Streets and Roads."

Calif., Los Angeles—Bd. Pub. Wks., concrete viaduct over Los Angeles River and Santa Fe & Union Pacific R.R. tracks, on 1st St., to North Pacific Constr. Co., Detwiler Bldg., $613,477. Noted Aug. 4.

Calif., Visalia—Tulare Co., Bridge 80 known as Woodlake Bridge, rein.-con. over St. Johns River, to L. C. Clark, Visalia, $29,885. Noted Sept. 22.

Dams

Proposed Work

Okla., Overbrook—See "Waterworks."

Calif., Los Angeles — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Railways

Proposed Work

Ontario—Canadian Natl. Rys., T. T. Irving, ch. engr. (Central Region), New Union Sta., Toronto, making plans enlarging yards, new sidings, moving and rearranging others at Fort William.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ia., Atlantic—D. D. 7, Cass Co., making plans straightening Nishnabotna River through county. $75,000. G. F. Canon, Atlantic, co. engr.

Minn., Good Thunder—Blue Earth Co. making plans constructing D.D. 73, 6.5 mi. 8- to 20 in. tile. $15,000. C. J. Swift, Mankato, engr.

Colo., Rifle—Hunter Mesa Irrigation Co. plans reservoir, 40 mi. pipe line, flume and siphon for irrigation project $3,000,000. Engineer not selected.

Tex., Edinburg—Hidalgo Co. Water Control & Impvt. Dist. 6, c/o M. Goodwin, pres., soon takes bids 75 mi. concrete canal, 30 mi. pipe line irrigating 23,000 acres land. $1,600,000 bonds voted for same. Card & Parks, McAllen, engrs.

Bids Desired

Connecticut—See "Bridges."

La., New Orleans — Oct. 19, by R. B. Koknke, engr., New Court House Bldg., constructing approximately 50,000 cu.yd. levee work on east bank Mississippi River between Jackson Ave. and Nuns St., Orleans Parish, for Bd. Levee Comrs.

Louisiana—Nov. 3 (extended date) by State Hy. Comn., Baton Rouge, embankment on Chef Meneur Highway, Federal Aid Project 201-G, Unit 1 St. Tammany Parish. N. W. Bowden, highway engr.; adv. E. N.-R. Oct. 6. Noted Sept. 29.

Ill., Carrollton — Oct. 14, by Commissioners Hartwell Drainage & Levee Dist., Greene Co., open ditches, 204,717 cu.yd. excav. Caldwell Eng. Co., Jacksonville, engrs.

Calif., Grass Valley—Oct. 15, by B. W. Baldwin, secy. Nevada Irrigation Dist., Contr. 29, 60 x 72 ft. rectangular, 48 x 48 ft. rectangular, and 36 in. round gates, all with frame and hoist, f.o.b. Nevada City, also 72 x 60 in. gate, 48 in. and 42 in. round gates, frame and hoist, f.o.b. Auburn; Contr. 28, furnishing Butterfly valve and balanced needle valve, f.o.b. Nevada City. F. H. Tibbetts, Alaska Commercial Bldg., Los Angeles, engr.

Contracts Awarded

New Jersey—See "Sewers."

Louisiana—Red River and Atchafayala Basin Districts, repairing Port Barre South Levee, to McWilliams Dredging Co., New Orleans Bank Bldg., New Orleans, $78,000; 1,800 cu.yd. Lafourche Basin Levee Dist., Ascension and St. James Parishes, to W. E. Morgan, 5919 Freret St., New Orleans, $8,460; 35,000 cu.yd. levee work in St. Charles and Jefferson Parishes, to Davis & Helm, Gretna, $13,090; 8,000 cu.yd. at Port Barre, to J. E. Firman, $2,640, 33,000 cu.yd. in Sterling Bayou, Caddo Parish, and 37,000 cu.yd. at Curtis, Bossier Parish, to Howard Kenyon Co., 3603 McKinley St., Houston, Tex., 6.435 and $7,215 respectively; 51,000 cu.yd. Honey Grove, Bossier Parish, to J. E. Stilles, 2901 Southern Ave., Shreveport, $9,282. Grand total $125,122.

O., Cleveland—New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Prospect Ave. and East 2nd St., 1,700 ft., 1,100 ft., and 300 ft. rein.-con. retaining walls, all 40 ft. high, 2 to 10 ft. thick, here, to H. E. Culbertson Co., Union Trust Bldg. Engrs. est. $400,000.

Ia., Logan — Harrison Co. repairing Soldiers Cut-Off Ditch, incl. sloping banks, rebuilding 7.25 mi. levees to grade line from bridge at Orson to Missouri River, 938,000 cu.yd. excav., etc., to Jack Boyne Constr. Co., 201 Nonparrel Bldg., Council Bluffs, at $0.0722 per cu.yd. Noted Sept. 1.

Wash., Port Orchard—Kitsap Co., dredging 72,000 cu.yd. in Port Orchard Bay, to Puget Sound Bridge & Dredging Co., Central Bldg., Seattle, at $0.44 per cu.yd.

Calif., Azusa—Azusa Irrigation Co., 12,500 ft. 12 in. No. 14 D.D. & W. riveted steel pipe, to Baker Iron Wks., 950 North Bway., Los Angeles $14,250, and 152,500 ft. 4- to 8-in. Matheson steel pipe, to Crane Co., 321 East 3rd St., Los Angeles $73,000; welding and laying 152,500 ft. 5- to 8-in. Matheson steel pipe, also trenching 152,500 ft. 5- to 8-in. Matheson and 12,500 ft. 12 in. riveted steel pipe, to Southwest Welding & Machine Co., Banning Wharf, San Pedro, $15,800 and $13,250 respectively. Grand total $116,300.

N. B., St. John—Dept. Pub. Wks., Ottawa, deepening water basin at wharves, here, to St. John Dry Dock & Shipbuilding Co. Ltd., St. John, $25,000.

Quebec—Dominion Govt., Ottawa, Ont., deepening and enlarging channel to wharf St. Michel de Bellecharre, and deepening downstream side St. Regis Paper Co. wharf, Godbout, to Natl. Dock & Dredging Co. Ltd., Quebec City, $16,647 and $18,000 respectively; dredging channel leading to Anticosti Corp. wharves, etc. Ellis Bay, Anticosti Island, also widening and deepening channel and turning basin at new wharf St. Anne Paper Co. Ltd., Beaupre, to Canadian Dredging Co. Ltd., Midland, Ont., $515,474 and $218,420 respectively; dredging Areas 1, 2, and 3, Rivere du Loup (en Haut), to Les Chantiers Manseau, Sorel, $68,600. Grand total $837,141.

Ont., Goderich — Dominion Govt., Ottawa, deepening and widening entrance channel and enlarging turning basin, here, to Kilmer & Barber Ltd., 10 Adelaide St., E., Toronto, $73,280.

Ont., Port Arthur—Dominion Govt., Ottawa, extending slip in front Thunder Bay Paper Co. Ltd., plant, in main harbor, to Chambers, McGuigge & McCaffrey, Excel Life Bldg., Toronto, $184,900.

N. S., New Harbour — S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., extending breakwater, here, to T. P. Charleson, 179 Gilmour St, Ottawa, Ont., $27,140. Noted May 26.

Streets and Roads

Proposed Work

Mass., Boston—Dept. Pub. Wks., plans laying out and constructing Randolph Rd. and Rock Terrace as highway in Dorchester, also sheet asphalt paving Ralston St., South Boston. To exceed $25,000. J. H. Sullivan, comr.

W. Va., Parkersburg — Soon takes bids concrete and rein.-con. paving portions 21st and 4 other streets. $63,307. J. V. Dunbar, Parkersburg, engr.

Tennessee — State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, making surveys improving 5 mi. Henderson-Jackson Rd., State Road 5, Chester Co.; and 14 mi. Jackson-Chester Co. Line Rd., Madison Co. C. N. Bass, highway comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 12 mi. Nashville-Williamson Co. line Rd., via. Franklin Pike, Davidson Co. C. N. Bass, highway comr.

Tenn., Nashville—Making plans widening and paving portions 3rd and Daaderick Sts. To exceed $100,000. W. W. Southgate, city engr.

Tenn., Nashville—Davidson Co. Highway Comn., F. M. Davis, comr., plans belt system of highways connecting main roads, also several small bridges. To exceed $25,000. C. Akers, Court Hours, engr.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids about Jan. 1, grading, curbing, walks and vitr. brick paving 11,000 sq.yd. East York St. et al. $92,700. E. A. Kemmler, Municipal Bldg., engr.

O., Columbus—Made plans asphalt resurfacing 12,200 sq.yd. Park St. S., $30,806;

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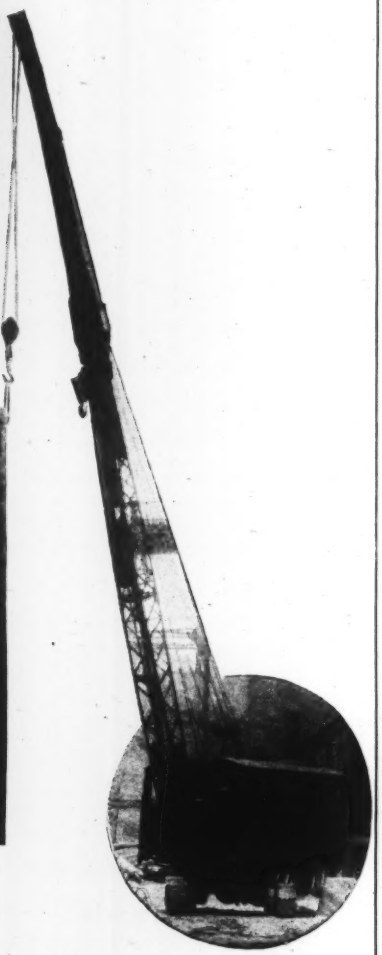

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New York City 50 Church St.	Philadelphia, Pa. Packard Building	Pittsburgh, Pennsylvania Federal Reserve Building	San Francisco, Calif. Monadnock Building	St. Louis, Mo. Railway Exchange Bldg.

Streets and Roads (Continued)

and 24,000 sq.yd. Fulton St., $72,089. R. H. Simpson, city engr.

Michigan—C. L. Cowgill, resident engr., Plymouth, takes bids about Oct. 19, concrete paving 6 mi. State Trunk Line Rd. MO50-7, 20 ft. Macomb Co., for State Hy. Dept., Lansing.

Mich., Pontiac—Oakland Co. made plans one course 8 in. concrete paving 70,000 sq.yd. Fourteen Mile Rd. $300,000. L. V. Belknap, Pontiac, co. engr.

Mich., Port Huron—Making plans asphalt resurfacing 18,000 sq.yd. Military, Huron and Quay Sts. $25,000. D. D. Worcester, city engr.

Ill., Galesburg—Making plans grading, curbing and vertical fibre brick on 4 in. concrete paving 8 blocks Locust St. $30,-608. A. L. Richey, Galesburg, engr.

Ia., Marcus — Making plans curbing, guttering and concrete paving 98,500 sq.yd. various streets. $200,000. Henningson Eng. Co., 300 Natl. Bldg., Ohama, Neb., engrs.

Mo., Boonville—Cooper Co., voted $25,000 bonds, improving Road Dist. 16.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making plans grading and concdete paving approximately 14,300 sq.yd. alleys in City Blocks 1972, 2606, 2837, 2840-S, 3113, 4083, 4669, 4670, 5278, 5768 and 5949. $38,420. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Stedelin Bros., 823 North 4th St., takes bids in spring, curbing, guttering, sewers and paving 50 acre subdivision at Gravois Ave. and Meramec St. $200,000. Dodds Suver. Co., 717½ Chestnut St., engrs.

Ark., Eureka Springs—Making preliminary plans grading, curbing and concrete or asphalt paving 4.6 mi. Street Impvt. Dist. 1.

Ark., Little Rock — Pulaski Co. made preliminary plans grading and Finley method paving 9 mi. Mabelvale Pike, 18 ft. $140,000.

Ark., Prescott—Making preliminary plans grading, curbing and concrete paving 17 blocks 2nd St.

Ark., Searcy — Soon takes bids grading, curbing and concrete paving 10 blocks Street Impvt. Dist. 10.

Ark., Wynne—Soon takes bids grading, curbing and concrete paving 46 blocks Street Impvt. Dist. 1.

Tex., Archer City — Archer Co. making plans grading and bridging 18 mi. State Highway 30. $122,705. G. R. Johnston, Archer City, resident engr.

Tex., Centerville—Leon Co. making plans grading, bridging and rein.-con. paving 29.9 mi. Highway 32, 18 ft. $1,149,473. Witt, Rollins & Gilchrist, Allen Bldg., engrs.

Tex., Groesbeck—Limestone Co. making plans concrete paving 12 mi. Highway 7 from Freestone Co. line to west line Rd. Dist. 4. $383,220. Nagle, Witt, Rollins & Gilchrist, Allen Bldg., Dallas, co. engrs.

Tex., Haskell—Haskell Co. defeated $1,-500,000 bonds, hard paving various roads. Address J. G. Foster, Haskell, co. judge.

Tex., La Grange—Fayette Co. making plans asphalt on gravel surfacing 3.3 mi. State Highway 3, 20 ft. $43,000. R. E. Schiller, La Grange, co. engr.

Tex., Lefors—Gray Co. making plans grading, bridging and concrete paving 16 mi. Highway 75, 18 ft. $560,000. C. L. Hasie, Memphis, engr. Noted Aug. 11.

Tex., Memphis—See "Unclassified."

Tex., Pampa — Gray Co. voted $400,000 bonds, improving approximately about 20 mi. highway in Pampa Dist. Address T. M. Wolfe, Lefore, co. judge.

Tex., Port Lavaca—Calhoun Co. voted $260,000 bonds, improving various roads. Address F. M. Tanner, co judge.

Tex., Sherman—Grayson Co., making plans grading, bridging and concrete paving 12 mi. State Highway 91, $388,800; 18 mi. State Highway 5, $546,192; 12 mi. State Highway 6 from Sherman to state line at Red River, $409,335; and 17 mi. State Highway 6 from Sherman to Collins Co. line, $550,800. J. G. Rollins, Sherman., co engr. Noted Aug. 11.

Tex., Sherman — Grayson Co., making plans grading, bridging and bituminous on limestone surfacing 16 mi. Highway 78, 18 ft. $304,000. J. G. Rollins, Sherman, co. engr.

Tex., Wharton—Wharton Co. making plans grading and constructing 1,203 ft. concrete pile trestle bridge on 4.505 mi. Highway 12, $75,000. J. M. Nagle, Wharton, resident engr.

Oklahoma — State Hy. Dept., Oklahoma City, made preliminary plans grading and concrete surfacing 96,800 sq.yd. State Road 37 east and west of Norman, 30 ft., Cleveland Co. $235,000; also 7 in. concrete surfacing 21,120 sq.yd. State Road 3, Pottawatomie Co., $55,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Oklahoma—State Hy. Comn., Oklahoma City, making surveys grading, etc., 16 mi. State Rd. 18, Pontotoc Co., 30 ft. $80,000. C. R. Mandigo, Oklahoma City, highway engr.

Okla., Ada—Making plans grading, curbing and 6 in. concrete paving 11,300 sq.yd. 14th St. $35,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Blackwell—Making plans grading, curbing and vertical fibre brick paving 9,100 sq.yd. Park St. $36,255. W. Ritzhaupt, Blackwell, engr.

Okla., Bristow—Making plans grading, curbing and vertical brick paving 8,275 sq.yd. West 6th St. $40,245. C. L. Wilson, Weatherford, engr.

Okla., Muskogee—Comrs. Muskogee Co. making plans grading and 7 in. concrete paving 21,120 sq.yd. South 24th St. $55,-000. J. H. Tait, Muskogee, engr.

Okla., Oklahoma City — Making plans grading and 6 in. concrete paving 7,875 sq. yd. Laird and Dewey Sts. $30,075. B. M. Hart, City Hall, engr.

Okla., Tecumseh — Pottawatomie Co. making preliminary plans grading, etc. 7 mi. Road 8, 30 ft. $45,000. F. D. Brown, Shawnee, engr.

Okla., Tonkawa—Making plans curbing, grading, guttering and vertical fibre brick paving 5,875 sq.yd. East Park St. $28,275. F. D. Kilburn, Tonkawa, engr.

Okla., Tonkawa—Making plans grading and vertical fibre brick paving, etc. 8,850 sq.yd. streets in Dist. 16. $36,675. F. D. Kilburn, Tonkawa, engr.

Okla., Tulsa—Plans grading, curbing and 7 in. concrete paving 13,740 sq.yd. Elgin, Tecumseh and Woodrow Sts., $57,464; grading, curbing and sheet asphalt surfacing 17,205 sq.yd. Indianapolis, Jamestown, Knoxville, Atlanta, 2nd and Lewis Sts., $74,235; and sheet asphalt resurfacing 28,670 sq.yd. 27th, 28th, Cincinnati and Sunset Sts., $63,700.

Okla., Wewoka—Made preliminary surveys 150,000 sq.ft. concrete sidewalks on various streets. $30,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Idaho—J. D. Wood, comr. Pub. Wks., Boise, rejected bids Sept. 16, gravel surfacing 14,000 cu.yd. Payette Highway, Federal Aid Project 130-A, Valley Co.

California—State Hy. Dept., Sacramento, plans grading approximately 6 mi. Bay Shore Highway, between South San Francisco and Burlingame $150,000, and Bay Shore Highway from Burlingame to San Mateo $180,000; also rock and oil surfacing approximately 13 mi. highway through Rindge Ranch on Oxnard-Capistrano Highway, $200,000. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Alameda—Plans widening walks and resetting curbs, etc. on Webster St. from south portal Estuary tube. To exceed $25,000.

Calif., Berkeley—Making plans widening and relocating electrolier system, walks, etc. on San Pablo Ave. To exceed $25,000. J. N. Edy, city mgr.

Calif., Culver City—Plans grading, walks and vibrolithic concrete paving, etc. Aletta Ave., etc. To exceed $25,000.

Calif., Los Gatos—Making plans curbing and paving, etc. Oak and College Hill Dists., etc. To exceed $25,000. H. B. Tisher, Growers Bank Bldg., San Jose, engr.

Calif., Manhattan Beach (P. O. Manhattan)—Made plans 5 in. concrete walks, etc. on 34th St., and National Paving, etc. approximately 5 mi. Standard Park.

Calif., Palo Alto — Plans paving, etc., Stanford Ave. in Mayfield section. $25,000 or more. J. F. Bxybee, Jr., city engr.

Calif., Petaluma—Making plans curbing and paving, etc. 9th St., etc., Acq. & Impvt. Dist. 4. To exceed $25,000. S. Gonzalez, city engr.

Calif., Sacramento—Made specifications asphaltic concrete paving, etc., portions 14th Ave and 65th St., etc. $25,000 or more. C. Deterding, Jr., Sacramento, co. engr.

Calif., San Diego — Common Council plans walks and 6 in. asphaltic concrete paving 135,945 sq.ft. Alabama St. and Monroe Ave. J. W. Jorgensen, city engr.

Bids Desired

Connecticut—See "Bridges."

N. Y., Brooklyn—Oct. 11, by Park Bd., W. R. Herrick, pres. Park Dept., Arsenal Bldg., Central Park, New York City, improving Shore Road Dr. between 83rd and Oliver Sts., here.

N. Y., Brooklyn—Oct. 14, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading West 1st and 64th Sts.; grading and sheet asphalt paving Hancock and Hewes Sts., Dumont and DeKalb Aves.

N. Y., Buffalo — Oct. 11, by Dept. Pub. Wks., Municipal Bldg., grading and repaving Fougeron, Playter and Wilson Sts., Prospect, Woltz and Roesser Aves. J. J. Love, comr.

N. Y., New York—Oct. 14, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bituminous concrete on concrete paving East 233rd St.; grading and asphalt block on concrete paving Sheridan Ave., East 159th and East 141st Sts.; sheet asphalt on concrete Paving Van Nest Ave., grading, sidewalks, etc. Croes Ave., etc.; also sewer in Barnes Ave. and East 174th St.

N. Y., New York—Oct. 14, by H. Bruckner pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., improving Bronx Blvd. Former bids rejected. Noted Sept. 22.

N. Y., St. George — Oct. 11, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, curbing, guttering, etc. Prospect Pl. and Bard Ave.; also grading and bituminous macadam paving Burnside Ave.

New Jersey — Oct. 17, by State Hy. Comn., Trenton, grading and 9 in. double line rein.-con. paving 55,290 sq.yd. Shore Relief Route, Revision of Route 4, Monmouth Co. A. L. Grover, ch. clk.; adv. E. N.-R. Oct. 6.

Pa., Crafton—Oct. 11, by J. O. Schrecke, boro clk., Boro Bldg., grading, curbing and paving Johnston St. $25,000. McCully Eng. Co., Berger Bldg., Pittsburgh, engrs.

Pa., New Kensington—Oct. 19, by Controllers Westmoreland Co. (Greensburg) and Allegheny Co. (Pittsburgh), paving west approach to New Kensington Bridge 10, 2nd Ave. and 9th St. $75,000. Joint Dept. Pub. Wks., Court House, Pittsburgh, and County Engineer, Greensburg, engrs.

Pa., Pittsburgh—Oct. 7, by City Council, grading, curbing and paving, etc. Mt. Washington Rd., Contr. 62, $100,000; and Duffield St. between Bryant and Vilsack Sts., $28,200. Bureau Engineering, Dept. Pub. Wks., engrs.

Md., Baltimore—Oct. 12, by Bd. Awards, improving area around Western High School, Gwynn Fallsway, Pulaski, Warwick and Wheeler Aves., 78,000 cu.yd. excav., 5,200 sq.yd. cement walks, 3,510 sq.yd. roads, 1,264 lin.ft. 8- to 16-in. terra cotta pipe, etc. $85,000. H. G. Perring, Hearst Tower Bldg., superv. engr.

Md., Baltimore—Oct. 12, by Bd. Awards, curbing and sheet asphalt on concrete paving 3,180 sq.yd. streets listed in Contr. 438. N. L. Smith, City Hall, acting highway engr.

West Virginia — Oct. 18, by State Road Comn., Charleston, grading and bituminous macadam paving 3.88 mi. Sophia-Ury Rd., Project 3390-A, and 3.72 mi. Ury-Amigo Rd., Project 3390-A, Raleigh Co.; grading, etc. 1.37 mi. Johnycake-Iaeger Rd., Project 3385, 5.33 mi. Iaeger-Roderfield Rd., Project 3386-B and 3.46 mi. same road Sect. C, all McDowell Co. E. B. Carskadon, secy.

W. Va., Lewisburg—Oct. 8, by Greenbrier Co. Court, grading, creek gravel surfacing, etc. 7,368 lin.ft. Tuckahoe Rd., 4 mi. Anthony Creek Rd., 3.5 mi. Big Draft Rd., 1,034 lin.ft. Drewry St., 1,100 lin.ft. Old Alleghany Rd., 2,367 lin.ft. Caldwell-Monroe Draft Rd., 863 ft. White Sulphur Co.-Clark St. Rd., 485 lin.ft. Cabells Alley, 400 lin.ft. Salisburg Ave., 3,947 ft. streets in Atkinson Addition, also 3 bridges, etc. all in White Sulphur Dist. J. K. Monroe, co. road engr.

W. Va., New Martinsville — Oct. 8, by Wetzel Co. Court, grading and gravel or crushed slag surfacing 2.5 mi. Jacksonburg-Pine Grove Rd., Project 3-A. G. A. Harman, co. clk.

W. Va., Weston—Oct. 10, by Lewis Co. Court, limestone, 2½ in. lake asphalt or Kentucky rock asphalt surfacing 1.3 mi. road in Freemans Creek Dist. C. E. McGinnis, co. clk.

North Carolina — Oct. 18, by State Hy. Comn., Raleigh, grading, concrete or asphaltic paving 4.91 mi. Project 1051, Beaufort Co. $105,000, and 15.9 mi. Project 286, Wayne Co. $342,000; clearing, grading, etc. 15.146 mi. Project 335, Columbus Co. $75,-000, 8.19 mi. Project 561, Montgomery Co. $53,000, and 3.957 mi. Project 776, Wilkes Co. $26,000; also grading, top soiling, etc. 15.062 mi. Project 4380, Harnett Co., $90,-000. L. R. Ames, co. engr.

Ga., Ocilla—Oct. 18, by J. A. Henderson, city clk., curbing, guttering, walks and rein.-con. or asphaltic paving, etc., 31,884 sq.yd. various streets. O. H. Lang, Moultrie, consult. engr.

Ala., Birmingham — Nov. 1, by City Comn., 6 in. concrete paving 5 blocks Center St., 30 ft., $21,850; curbing, guttering, walks and 2 in. asphalt on 6 in. concrete paving 12 blocks Gravmont Ave., 50 ft., $81,700; 2½ in. asphalt on 6 in. concrete paving 4 blocks 11th Ave., $19,500; curbing, guttering, walks and 2 in. asphalt on 5 in. concrete paving 3 blocks 5th Way,

Constr. News page 179

For surfacing concrete — quicker, better, and at less cost

Ingersoll-Rand Company has developed a new lightweight air tool for use in finishing the surfaces of concrete and stone.

This machine (known as Size 6G) will quickly and easily remove all form marks from concrete and prepare the surface for a flat finish or for painting. It is ideal for cleaning, smoothing, and finishing concrete walls, bridges, and buildings. It will surface either "green" or old concrete.

It saves time and labor and does a far better job than other devices. The machine weighs only 13¾ lbs. with wheel and is easy to handle in any position. Ask for complete information.

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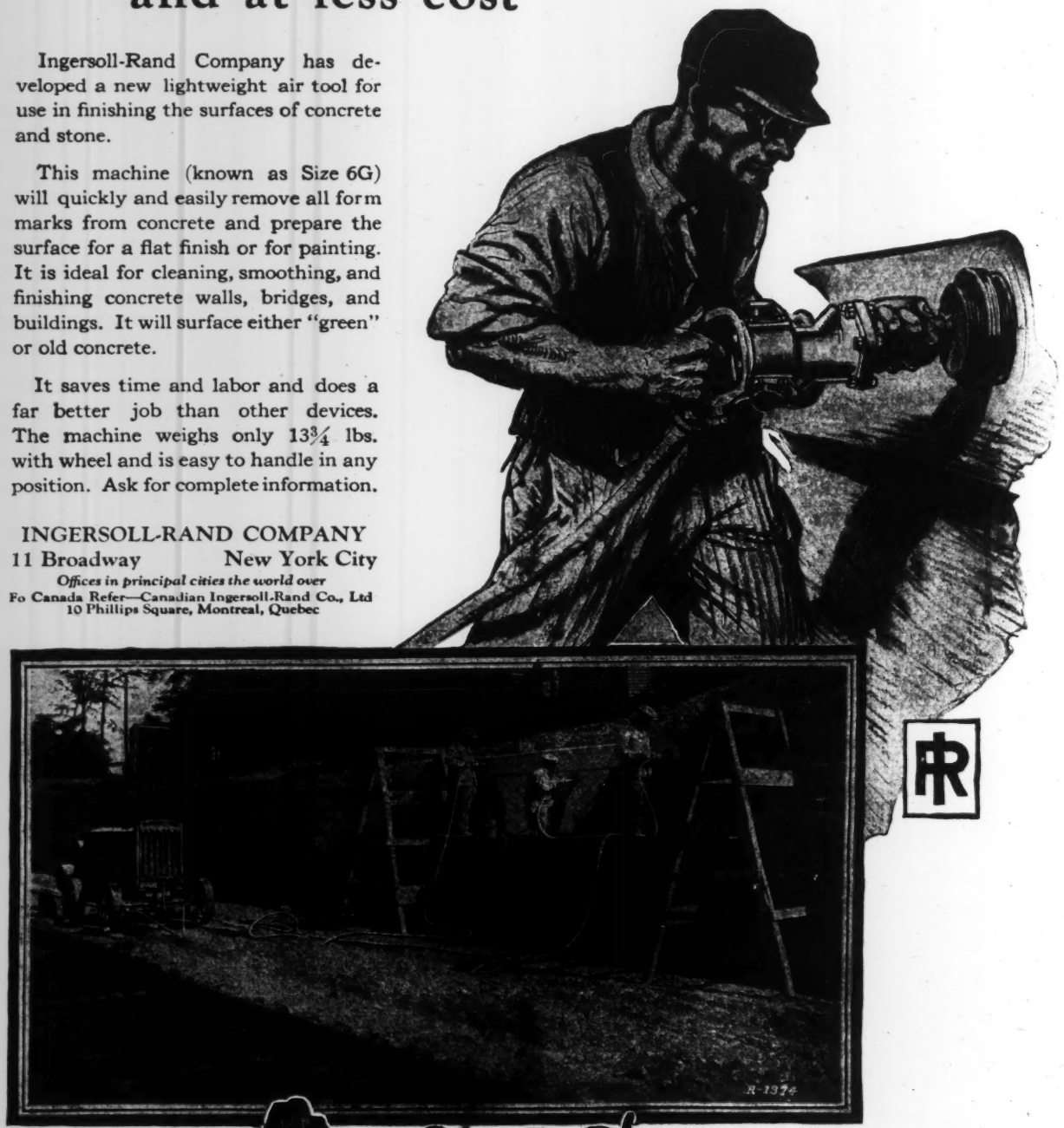
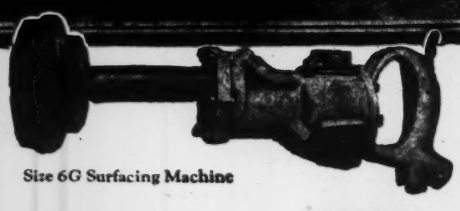


Ingersoll-Rand Size 6G Surfacing Machines smoothing up a concrete wall. The tools are being operated from an I-R Portable Air Compressor.



Size 6G Surfacing Machine

117-PC

Ingersoll-Rand

Streets and Roads (Continued)

Ensley, $15,600; 2 in. asphalt on 5 in. concrete paving 2 blocks 10th Ave., Ensley $10,500, 2 blocks roadway $10,350, and 2 blocks Ave. Q, Ensley and 2nd Court W. $10,965 all 30 ft., wide; 2½ in. asphalt on 5 in. concrete paving 5 blocks 4th Ave. W., 40 ft. $30,880; also 8 in. concrete paving 5 blocks 5th Alley, 20 ft., $12,350. A. J. Hawkins, city engr.

Miss., Grenada—Oct. 14, by Bd. Supervs. Grenada Co., improving 10.64 mi. Federal Aid Project 147-B, 18 ft., 22,262 cu.yd. gravel 1 mi. haul, 210,098 units overhaul and 99,874 sq.yd. mixing; also 33,393 tons sand clay and washed gravel, f.o.b. Grenada. H. C. Dietzer, Jackson, engr.

Louisiana—Oct. 18, by State Hy. Comn., Baton Rouge, graveling 14.751 mi. Bossier City-Arkana Highway, Federal Aid 154-C, Bossier Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Oct. 20, by State Hy. Comn., Baton Rouge, graveling 7.12 mi. Creston-Saline Highway, State Project 426-B, Natchitoches Parish. N. W. Bowden, Baton Rouge, highway engr.

Kentucky—Oct. 28, by State Hy. Dept., Frankfort, surfacing 7.6 mi. Columbia-Liberty Rd., State Aid Project 23-A, Adair Co., and 3.1 mi. Shelbyville-Cropper Rd., State Aid Project 160-B; also grading, etc. 2.6 mi. Beattyville-Jackson Rd., State Aid Project 29-E, Lee Co. E. N. Todd, highway engr.

O., New Philadelphia—Oct. 15, by Comrs. Tuscarawas Co., grading, etc., 3½ mi. Dennison Natl. Rd., 30 ft. $66,428. Noted May 5.

Wisconsin—Oct. 11, by State Hy. Comn., Citizens Natl. Bank Bldg., Wisconsin Rapids, concrete paving, etc., 89,259 sq.yd. U. S. Highway 51, Federal Aid Project 449-C, Marathon Co.; and 70,716 sq.yd. S. T. H. 73, Federal Aid Project 440-A, Wood Co. N. M. Isabella, div. engr.

Iowa — Oct 10, by State Hy. Comn., Ames, grading and concrete paving 21,444 sq.yd. Primary Project 85, through town What Cheer.

Minnesota—Oct. 18, by State Hy. Comn., St. Paul, **(F.A.P. means Federal Aid Project and S.P. State Project)**, grading 179,000 cu.yd. S.P. 4-41, and 222,500 cu.yd. S.P. 4-42, F.A.P. 406, 300,000 cu.yd. S.P. 7-42, F.A.P. 408, and 741,000 cu.yd. S.P. 20-34, F.A.P. 411; grading 220,000 cu.yd. and constructing Bridges 4757 and 4758, on S.P. 7-40, Sect. 2, F.A.P. 365; graveling 25,950 cu.yd. S.P. 2-34; graveling 25,950 cu.yd. S.P. 2-34; and concrete paving 115,000 sq.yd. S.P. 5-31, Sect. 1, F.A.P. 91,200 sq.yd. S.P. 5-31, Sect. 2, and 27,200 sq.yd. S.P. 5-31, Sect. 3, F.A.P. 380, 29,000 sq.yd. S.P. 5-36, Divs. B and C, F.A.P. 345, 45,000 sq.yd. S.P. 51-21, F.A.P. 288, and 81,200 sq.yd. S.P. 52-21, F.A.P. 381. State Hy. Dept., St. Paul, engrs.

Kan., Ashland—Oct. 14, by Clark Co., grading and twenty-three 21 span bridges on 1.122 mi. K. 21, Project 365-A.

Kan., Hutchinson—Oct. 20, by Clerk Reno Co., concrete or bituminous concrete paving, etc. 3 mi. Federal Aid Project 83-A, 18 ft. W. A. Stacey, Hutchinson, co. engr.

Nebraska—Oct. 11, at Office District Engineer, Neligh, graveling 0.6 mi. and constructing three 100 ft. span pony truss bridge, 20 ft. roadway, on Federal Aid Project 139-C, Antelope Co.; also one 40 ft. I-beam span bridge, on O'Neill-Ewing Rd., Federal Aid Project 200-A, Holt Co., for Antelope Co. (Neligh) and State Hy. Comn. (Lincoln).

N. D., Minot—Oct. 11, by C. A. Reishus, city aud., rein.-con., asphaltic concrete or warrenite bitulithic paving approximately 8 blocks in Paving Dists. 30, 32, and 33. $32,000. W. W. Peterson, city engr. Noted Sept. 29.

Mo., St. Joseph—City Clerk, taking bids concrete paving Franklin St. $740, and 1,015 sq.yd. 1 alley $2,300; 6 in. concrete paving 1,208 sq.yd. 1 alley, $2,300; 6 in. concrete paving 1,208 sq.yd. Yale St. $3,700; also brick repaving 4,920 sq.yd. Messanie St. from 22nd to 26th Sts. $14,000, and 5,725 sq.yd. Messanie St. from 16th to 22nd Sts. $16,500. W. M. Spann, City Hall, engr.

Ark., Paris — Nov. 9, by J. J. Wallace, chn. comrs., Street Impvt. Dist. 1, grading, curbing and concrete, asphalt or brick paving 63,000 sq.yds. various streets, Ford & MacCrea, Gazette Bldg., Little Rock, engrs.

Tex., Austin—Oct. 13, by A. R. Johnson, city mgr., concrete paving 35 alleys, 20 ft. $40,200. O. E. Metcalfe, City Hall, engr. Noted Sept. 29.

Tex., San Antonio—See "Unclassified."

Tex., San Benito—Oct. 12, by City, curbing and concrete paving 15,000 sq.yd. various streets. S. Brown, San Benito, mayor.

Tex., San Benito—F. L. and B. W. Hinkley taking bids alternate types paving streets in sub-division. $30,000. Private plans.

Okla., Oklahoma City — Oct. 11, by M. Peshek, city clk., grading, curbing and sheet asphalt paving 7,470 sq.yd. Gatewood and 18th Sts. $34,900. B. M. Hart, City Hall, engr.

Okla., Seminole—Oct. 11, by P. Noe, city clk., grading, curbing and 7 in. concrete surfacing 20,110 sq.yd. Dists. 12, 13 and 14. $72,600. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colorado — Oct. 10, by State Hy. Dept., Denver, grading 16.673 mi. road between Wiggins and Roggen, on Highway 52, Project 580-C, Morgan and Weld Counties, and 0.299 mi. Blackhawk on State Highway 119, Project 552-C, Gilpin Co.; concrete paving 2,710 sq.yd. at Morrison on Highway 8, Federal Aid Project 279-D, Jefferson Co.; gravel surfacing 4,750 cu.yd. road between Deer Creek and Littleton on Highway 124, Project 560, Jefferson Co.; also four 23 ft. span of timber trestle with graded approaches at Conejos River, on Highway 142, east of Romeo, Project 664, Conejos Co. L. D. Blauvelt, State Office Bldg., Denver, engr.

Calif., Fullerton—F. C. Hezmalhalch, city clk., taking bids grading, curbing and asphaltic concrete paving portions North Princeton and North Yale Sts., etc. $25,000 or more.

Washington — Oct. 25, by State Hy. Comn., Olympia, **(S. R. means State Road)**, grading, etc., 88,960 cu.yd. S. R. 5, Yakima Co.; grading, crushed graveling, etc., 5,820 cu.yd. S. R. 2, Douglas Co; also gravel resurfacing, etc, 7,300 cu.yd. S. R. 14, Mason Co., and 9,000 cu.yd. S. R. 9 Clallam Co. S. J. Humes, state highway engr.

Calif., San Diego—Oct. 17, by Common Council, grading, curbing, walks and 6 in. asphaltic concrete paving 271,911 sq.ft. 47th St. and Menlo Ave., etc.; also grading, curbing, walks and 5 in. concrete paving 103,562 sq.ft. Alabama St. H. W. Jorgensen, city engr. Noted Sept. 15.

Calif., Yuba City—C. C. Kline, city clk., taking bids grading, curbing, guttering and 4 in. asphaltic concrete paving, etc. 225,000 sq.ft. portions Shasta, Robinson Ave., and A St., etc. W. Shearer, city engr.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam and rein.-con. paving 9,371 ft. highway in Farmingham, Sudbury and Marlborough, to H. Ford, Dearborn, Mich., $1. Noted Aug. 18.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 8,150 ft. highway in Agawam, 18 ft., to D. O'Connell & Sons, Holyoke, $51,911. Noted Sept. 15.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 1.245 mi. Project 185-A, Franklin Co., to Kelleher Corp., Turner Falls, $82,486.

Mass., Boston — Sheet asphalt paving various streets in Wards 11, 14, 15 and 18, to M. De Matteo, 14 Rowe Pl., Roslindale, $26,076. Noted Sept. 15.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Cranford Co., 52 9th St., grading and sheet asphalt paving Gerritsen Ave., $17,777; to W. J. McHale Contg. Co., 1250 Jefferson Ave., grading and macadam paving Gerritsen Ave., $8,687; to Castle Bros., Johnson Pl., grading East 29th St. $2,462, Avenue N, $1,043, and 50th St., $3,257, and to Grimm Contg. Co., 170 McKinley St., Pennsylvania Ave. $3,498. Grand total $36,724. Noted Sept. 22.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing and sidewalks when and where directed, to Valatia Constr. Co., 15 East 40th St., $1,359; grading and granite block paving Whitehall St., to St. George Paving Co., 415 Lexington Ave., $42,017, and 14th St., to J. Meehan & Son, 90 West St., $27,622; asphalt repaving West 158th St., to D. J. McCarthy, 88 Audubon Ave., $5,020. Grand total $76,018. Noted Sept. 8.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to I. F. Cavaluzzo, 1300 Cromwell Ave., grading West 232nd St. $15,310, Fish Ave., $8,223, Mayflower Ave. $62,119, and Lacombe Ave. $27,185, to F. Gabrielle, 2750 Creston Ave., Colden Ave. $19,895, to Gramaglia Bros., 48 East Kingsbridge Rd., East 237th St. $7,778; to Gaffney Constr. Co., Storey and Hermany Aves., grading and sheet asphalt paving Ward Ave. $23,265 and Manor Ave. $42,358; to C. D. Beckwith Inc., Seneca Ave. and Edgewater Rd., Morrison Ave. $22,493, to Asphalt Constr. Co., 2197 Madison Ave., Tryon Ave., $14,593, and Popham Ave. $10,888, bituminous concrete paving East 182nd St. $17,673, concrete paving Reservoir Ave. $11,960. Noted Sept. 22. Grand total $283,740.

N. Y., New York — A. Goldman, comr. Plant & Structures, Municipal Bldg., reconstructing curbing and footwalk on westerly side Riverside Dr., to Fox Reynolds Co., 81 East 125th St., $38,649. Noted Sept. 22.

N. J., Hackensack—Bergen Co., Court House, concrete paving Bergen Turnpike from Hudson Co. line to Edgewater Ave., to G. W. Brewster & Sons, Ft. Lee Rd., Bogota, $225,476., and River Rd., to J. J. McGarry, Edgewater, $148,980.

N. J., North Arlington (mail Arlington)—Bd. Comrs., Boro Hall, grading and 6 in. concrete paving Sunset and Belmont Aves., here, to Nesto Constr. Co., 423 Amherst St., East Orange, $95,705.

N. J., North Bergen (Ind. br. Weehawken)—Bd. Freeholders Hudson Co., Court House, Jersey City, sheet asphalt repaving Paterson Plank Rd., here, to J. J. McGary, Edgewater, $29,638.

N. J., Woodbury—Gloucester Co., grading and rein.-con. paving 18,684 sq.yd. Hessian Ave., to J. Salvucci, 512 North 65th St., Phila., Pa., $58,595; and Paulsboro-Swedesboro Rd., to H. L. White, 3057 Kearsarge Rd., Camden, $59,850. Noted Sept. 22.

Pennsylvania—State Hy. Comn., Harrisburg **(R. means Route and A. Application)** concrete paving, etc. 5,544 sq.yd. R.370, Dauphin Co., to Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md. $28,452; 12,750 sq.yd. R.108, Washington Co., to B. Franklin, Jr. Co., 906 Crozier Bldg., Phila., $91,938; 34,299. sq.yd. R.46, Huntingdon Co., to Paul Constr. Co., Inc., Cresson $138,889; 14,000 sq.yd. R.161 Northumberland Co., to D. W. Davis & Sons, 19 Union St., Kingston $165,608; 1,174 sq.yd. R.112, Greene Co., to E. E. Morris, Waynesburg $3,698; 8,318 sq.yd. R.493, S-1, Blair Co., to C. Winters Constr. Co., 212 North Main St., Butler $36,520, and 11,096 sq.yd. R.545, Washington Co., to Jones Constr. Co., Beallsville $55,570; rein.-con. paving, etc. 43,400 sq.yd. R.140, A.4840, Dauphin Co., to W. G. Raub, Red Lion $178,063, and 39,278 sq.yd. A.305, 306 and 351, Westmoreland Co., to M. J. McMahon, Deposit Nat'l Bank Bldg., Du Bois $172,025; also asphaltic macadam paving, etc. 27,019 sq.yd. A.4583, Bucks Co., to J. M. Hutchison, Altoona, $58,566. Grand total $929,329. Noted Aug. 18.

Md., Baltimore — Bd. Awards, curbing and concrete paving 6,200 sq.yd. streets listed in Contr. 435, to Mahoney Bros., 1111 Rutland Ave., $13,939; and sheet asphalt paving 5,870 sq.yd. Contr. 434, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $25,462. Noted Sept. 15.

West Virginia — State Hy. Comn., Charleston, grading, etc., 4.73 mi. Project 3358-B, and 1.22 mi. Project 3358-A, Fayette Co., to Keeley Constr. Co., Clarksburg, $73,396 and $67,104 respectively. Noted Aug. 11.

W. Va., Clarksburg—Brick paving portion Goff Ave., to Woodford & Davis, Clarksburg, $28,322.

W. Va., Fayetteville — Comrs. Fayette Co., Court House, rock surfacing 2.5 mi. Lower Loup Creek Rd., to Highway Constr. Co., Oak Hill, $26,100.

Ala., Birmingham — City Comr. **(e. e. means engrs. est.)**, 2 in. asphalt on 6 in. concrete paving 7 blocks Ave. C, Ensley, 40 ft., to Morgan Hill Paving Co., Woodward Bldg., $27,407 e. e. $43,500, 3 blocks 6th St. W., 4th Court W., and 5th Pl. W., 30 ft., to D. A. Burton, Jackson Bldg., $15,018 e. e. $21,450, and 2 blocks 6th St. W., and 7th Ave., 30 ft., to Dunn Constr. Co., Lincoln Life Bldg., $18,574 e. e. $20,500; also grading, curbing, guttering, walks and 2 in. asphalt on 6 in. concrete paving 2 blocks 3rd Ave. S., 40 ft., to Southern Roads Co., Pioneer Bldg., $15,122 e. e. $16,600, 2 blocks 52nd Pl., 52nd Way, 53rd St., and 9th Ave. N., 30 ft., to Newell Constr. Co., Martin Bldg., $13,762 e. e. $15,985; also 6 in. concrete paving 1 block Bush Blvd. Alley, 20 ft., to Camp & Pearson, Amer.-Trades Bldg., $2,248 e. e. $3,125. Grand total $92,131.

Miss. Canton — Madison Co., grading, graveling, etc. 6 mi. Sharon-Canton Highway, 18 ft., to H. Maxwell, Brookhaven. Noted Sept. 1.

Miss., Jackson — Grading and concrete paving portion North St., also 1 culvert at Eazel and Gillespie Sts., to Dunn Constr. Co., Merchants Bank Bldg., $38,504; sidewalks on North St. and water tables at Commerce St., to Owen & Gaddis, 810 South Gallatin St., $9,755.

Louisiana — State Hy. Comn., Baton Rouge, graveling 6.19 mi. Robeline-Cypress Highway, State Project 430-B, Natchitoches Parish, to J. F. Salter, Cypress, $39,702; and 1.635 mi. Many-Zwolle-Converse High-

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way, Sabine Parish, to F. P. Jones, Leesville, $20,086. Noted Aug. 18 and Sept. 1.

O., Cincinnati—C. O. Sherrill, city mgr., City Hall, **(e. e. means engrs. est.)**, to E. A. Freshwater & Sons Co., Cleveland, granite block repaving 8,300 sq.yd. (new blocks) and 8,300 sq.yd. (old blocks) Baymiller St., $132,098 e. e. $156,261, walks and granite block repaving 2,200 sq.yd. (new) and 3,000 sq.yd. (old) repaving McMicken Ave., $31,477 e. e. $37,577, also curbing, grading, walks and concrete repavnig 16,000 sq.yd. Montana Ave., $63,733 e. e. $79,820. Grand total $227,308. Noted May 19 and Apr. 14.

O., Cleveland — Cuyahoga Co., paving, etc., Wallings Rd. 4, to Loesch & Green, State Rd., Parma, $48,821. Engrs. est. $53,900.

O., Cleveland — Cuyahoga Co., grading, curbing and concrete resurfacing 4,000 sq.yd North Miles Rd., to F. W. Stollfus, 4655 South Hills Blvd., $141,043.

O., Cleveland — Cuyahoga Co., grading, etc., 110,000 cu.yd. South Woodale Rd., to Stroman & Kidder, Ridge Rd., $46,750. Engrs. est. $72,400.

O., Parma (br. Cleveland)—Macite surfacing 6 streets, to Baldwin Bros., 4500 Euclid Ave., Cleveland, $124,325; and 4 streets, to W. E. McHugh, West 72nd St. and Western & Lake Erie R.R. tracks, Cleveland, $32,880.

Michigan—C. H. Brown, resident engr., 14380 Wyoming Ave., Detroit, concrete paving 3.984 mi. State Assessment Dist. 471, 20 ft., Macomb and Oakland Counties, to W. G. Tatti, 1337 Three Mile Dr., Detroit, for State Hy. Dept., Lansing. $175,848. Noted Sept. 8.

Michigan—State Hy. Dept., Lansing, asphalt (bituminous) paving 2.946 mi. State Trunk Line Rd. MO67-25 C1, 18 ft., Osceola Co., to State Constr. Division, Lansing. A. L. Bunidge, Cadillac, supt., $59,467.

Michigan—State Hy. Dept., Lansing, concrete paving 3.061 mi. State Trunk Line Road MO70-22, Contr. 1, 20 ft., Ottawa Co., to State Contr. Division, C. M. Zeigler, supt., Capitol Natl. Bank Bldg., Lansing, $103,045.

Michigan—State Hy. Dept., Lansing, concrete paving 3.416 mi. State Trunk Line Road MO41-30, Contr. 1, 20 ft., Kent Co., to State Constr. Division, C. M. Zeigler, supt., Lansing, $124,729.

Mich., Detroit—Concrete curbing and one course 8 in. concrete paving 12,555 sq.yd. Marygrove Dr., to Detroit Asphalt Paving Co., 909 Transportation Bldg., $29,066, 3,814 sq.yd. Desgrandchamps and Yolanda Aves., to Bishop & Weir, 955 East Jefferson Ave., $10,135.

Mich., Pontiac—For 8 in. concrete paving approximately 93,900 sq.yd. John R. Rd., Oakland Co., 20 ft., to C. A. Handyside Constr. Co., General Motors Bldg., Detroit, $322,500.

Ia., Adel—Dallas Co., to McCoy & Nelson, Nevada, improving secondary system, 11,268 cu.yd. gravel 1 mi. haul at $0.24 and $0.35 per cu.yd., 72,276 units overhaul $0.064 and $0.08, also 3,804 cu.yd. crushed gravel $0.06. Noted Aug. 11.

Ia., Cresco — Howard Co., to C. Byers, Cedar Rapids, improving secondary roads, 12,227 cu.yd. gravel 1 mi. haul at $0.48 per cu.yd. 87,592 units overhaul $0.085, and 2,000 cu.yd. stripping $0.20, to W. R. Garland, New Hampton, 3,309 cu.yd. gravel 1 mi. haul $0.34, 2,118 units overhaul $0.07, and 800 cu.yd. stripping $0.19.

Ia., Emmetsburg — Palo Alto Co., to Prereton & Bauck, Emmetsburg, improving secondary roads, 7,000 cu.yd. gravel 1 mi. haul at $0.39 per cu.yd., 39,000 units ½ mi. haul $0.07 and 3,200 cu.yd. stripping $0.20; to C. Byers, Primghar, 6,000 cu.yd. gravel 1 mi. haul $0.40, 64,500 units overhaul $0.07, and 3,000 cu.yd. gravel stripping $0.20.

Ia., Hampton—Franklin Co., grading, concrete paving, etc. 140,880 yd. Project 538, and 107,335 yd. Federal Aid Project 212, to Harrison Engr. & Constr. Corp., 506 Mutual Bldg., Kansas City, Mo. at $2.24 per yd.

Ia., Logan — Harrison Co., improving 7.036 mi. Federal Aid Project 14, Sects. A and E, 21,153 cu.yd. earth excav. and 75,134 yd. concrete paving, to Natl. Constr. Co., 1315 South 29th St., Omaha, Neb. $0.35 per cu.yd. and $2.21 per yd. respectively; and grading 128,796 cu.yd. road, to G. W. Condon Co., 514 Federal Reserve Bank Bldg., Omaha, Neb., at $0.198 per cu.yd.

Ia., Orange City — Sioux Co., to A. L. Albrecht, Storm Lake, improving county road system, 7,700 cu.yd. gravel 1 mi. haul at $0.30 per cu.yd. 39,000 units overhaul $0.074, 7,500 cu.yd. stripping $0.21, and 500 cu.yd. channel cut $0.30. Noted Aug. 25.

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Ia., Pocahontas—Pocahontas Co., to C. F. Betz, Sioux City, improving roads, 36,546 cu.yd. excav. at $0.28 per cu.yd., 150 cu.yd. loose rock $1.25, 25,416 sta. overhaul $0.02, and 600 ft. culvert labor $0.35.

Ia., Sioux City—Woodbury Co., grading, etc. 384,010 cu.yd. Federal Aid Project 2, to E. V. Martin, Ames, at $0.213 per cu.yd.

Ia., Toledo—Tama Co., to Mackie & McCoy, Waterloo, improving secondary roads, 45,007 cu.yd. excav. at $0.22 and $0.23 per cu.yd., 25,000 cu.yd. overhaul $0.02, 100 ft. culvert labor $0.30; to W. Dutton, Boone, 22,390 cu.yd. excav. $0.28, 7,000 units overhaul $0.02, and 100 ft. culvert labor $0.30; to Foley Bros., Anamosa, 50,800 cu.yd. excav. $0.255, 180,000 units overhaul $0.02, and 340 ft. culvert labor $0.30.

Ia., Vinton—Benton Co. to G. H. Lowe, Garrison, improving roads, 80,000 cu.yd. earth excav. at $0.247 per cu.yd. 200 cu.yd. loose rock $0.80, 200 cu.yd. solid rock $1.50, 50,000 units overhaul $0.02, and 1,400 ft. 12- to 18-in. culvert labor $0.20 and $0.25.

Ia., Vinton—Benton Co., to Bryant Paving Co., Waterloo, improving 1.173 mi. Project 504, 1,857 cu.yd. excav. at $0.60 per cu.yd., 2 flumes $75 each, and 12,382 yd. concrete paving $2.49.

Kan., Belleville—Republic Co., to Western Bridge Co., 748 Peters Trust Bldg., Omaha, Neb., grading 5.536 mi. Project 314-B $27,299, three 30 ft. deck girder span bridge on same road $7,773, grading 1.515 mi. Project 116-A $7,681, and bridge on same $2,299. Grand total $45,052.

Kan., Eldorado—Butler Co., grading and 3 bridges, etc. on 3.788 mi. Project 68-B, also grading and culverts on 4.557 mi. Project 69-A, to Stmison Constr. Co., 1516 Boswell Ave., Topeka, $42,046; 8 mi. Project 67-F, to M. R. Amerman, 246 North Market St., Wichita, $47,487; Bridge IE 263, one 120 ft. truss and two 40 ft. I-beam approach spans, to Missouri Valley Bridge & Iron Co., Leavenworth, $21,190; Culvert IE2263, 10 ft. concrete box, to E. King, Hesston, $11,057. Grand total $121,780.

Kan., Hiawatha — Brown Co., sand graveling 9.8 mi. Project 125-A, to Reed & Wheelock, Clay Center, $23,128; and concrete paving 0.415 mi. Project 274-E, to M. W. Watson, Topeka, $23,338.

Kan., Kansas City—Wyandotte Co., grading and concrete paving 52,586 sq.yd. Bonner Springs Rd., Highway 7, to Reed & Wheelock, Clay Center, $109,095. Engrs. est. $119,583.

Kan., Newton—Vitr. brick paving 20,427 sq.yd. various streets, to Stanton & Wallace, Leavenworth, at $1.80 sq.yd.

Kan., Salina—Saline Co., grading and constructing 12 bridges on 9.775 mi. U. S. 40 S, Project 101-D, to A. L. Cook, Ottawa, $46,419 and $29,844 respectively.

Mo., Desoto—Grading and concrete paving approximately 8,800 sq.yd. Main St., to Fogelman & Davidson, Desoto. Engrs. est. $26,000.

Mo., St. Louis—Stedelin Bros., 823 North 4th St., grading approximately 150,000 cu.yd. on 50 acre subdivision, Gravois Ave. and Meramec St., to Manegold Contg. Co., 211 Title Guaranty Bldg. Engrs. est. $30,000.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, grading, etc. Goodfellow St., to J. T. McMahon, 1514 Farragut Ave. $12,106, Esther St., to M. J. Smith, 6771 Nashville Ave. $1,972, Iron St., to Bridges Asphalt Paving Co., 3900 Chouteau Ave., $1,565, and spaces for sidewalks on 12th St. between Park Ave. and Hickory St., to F. M. Luth, 4135 Flora Ave. $1,017; also 20 ft. reinf.-con. paving Sublette Ave., to Skrainka Constr. Co., Security Bldg., $6,864. Grand total $23,524. Noted Sept. 1.

Mo., University (St. Louis P. O.)—Grading, 7 in. concrete paving, etc., 5,680 sq.yd. Forsythe Blvd., to Skrainka Constr. Co., Security Bldg., St. Louis, $17,260; and 14,770 sq.ft. concrete sidewalks on Highland Ave., also 15,000 sq.ft. Corbitt Ave., to W. Watters, 2611 South Kingshighway, St. Louis, $8,377.

Mo., Warrenton — Grading, curbing and amiesite paving 20,860 sq.yd. Main St., to Cameron Joyce & Co., Keokuk, Ia., $48,779. Noted June 16.

Ark., Prescott—Grading, curbing and concrete paving 33,700 sq.yd. Street Impvt. Dist. 4, to Turk Constr. Co., Little Rock. Engrs. est. $80,000.

Tex., Laredo — Webb Co., grading and bridging 12.46 mi. Highway 12-A, Federal Aid Project 436-B, to H. B. Zachary, Laredo, $84,815.

Okla., Edmond—Grading and gravel surfacing 4,100 cu.yd. Jackson Blvd., to L. Hamilton, Pauls Valley, $36,953. Engrs. est. $40,000.

Okla., Holdenville — Grading and 6 in. concrete paving 8,540 sq.yd. South Gulf St., to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $22,711. Engrs. est. $25,000.

Calif., Hollister—E. Dowdy, clk., San Benito Co., oil macadam paving, etc., various roads, to Granite Constr. Co., Watsonville, approximately $42,500.

Okla., Maud—Grading, curbing and 7 in. concrete paving 6,200 sq.yd. Oxford St. and Bway., to Standard Paving Co., 1742 East 6th St., Tulsa, $32,991. Engrs. est. $33,320.

Okla., Oklahoma City—Grading, curbing and sheet asphalt paving 7,900 sq.yd. Phillips and Everest Aves., to Western Paving Co., Tradesmens Bldg., Oklahoma City, $46,498. Engrs. est. $47,100.

Okla., Shawnee — Grading, curbing and sheet asphalt paving 20,330 sq.yd. streets in Dist. 46, to H. L. Cannady & Co., 1122 South Lewis St., Tulsa, $113,209. Engrs. est. $115,000.

Idaho—J. D. Wood, comr. Pub. Wks., Boise, grading, crushed graveling, etc., 28,000 cu.yd. Sawtooth Park Highway between Rogerson and Nevada line, Federal Aid Project 141-A, to C. A. Robinson, Twin Falls, $70,599. Engrs. est. $66,472.

Idaho, Boise—Bd. Pub. Wks., improving Original Local Gutter Impvt. Dist. 1, 18,162 sq.yd. concrete guttering, 4,707 sq.yd. concrete paving and 3,375 ft. 10- to 18-in siphons, to Morrison & Knudson Constr Co., 319 Bway., $47,987.

Nevada—Dept. Pub. Wks., Carson City, constructing portion Federal Aid Project 102-A, Ormsby and Douglas 3D, Contr. 168, Ormsby and Douglas Counties, to Isabell Constr. Co., Fresno, Calif., $210,310. Noted Sept. 15.

Washington—State Hy. Comn., Olympia, crushed graveling 20,500 cu.yd. Stevens Pass Highway, Chelan Co., to Rock Constr Co., 1514 South Ainsworth St., Tacoma, $29,110; grading and 18 ft. graveling 2,327 cu.yd. State Road 5, King Co., to L. Ramona & Powers, 507 Thompson Bldg., Seattle, $78,213; also 120 ft. rein.-con arch bridge over Touchet River, at Dayton, Columbia Co., to S. Boudrye, P. O. Box 73, Clarkston, $23,717. Grand total $131,040. Noted Sept. 8.

Wash., Seattle — Bd. Pub. Wks., 8 in. concrete paving, etc., 13,080 sq.yd. Ellis Ave. et al, to Fiorito Bros., 3950 6th St. N. W., $34,193; 6 in. concrete paving 8,020 sq.yd. Waverly Pl. et al, to Odman Constr Co., 7100 55th St. S., centrifugal cast pipe, $31,181; and concrete sidewalks on 8th Ave. S. et al, to Badolato & Arcoracex, 10th Ave. S. and Southern St., $124,331. Grand total $189,705. Noted July 14.

Calif., Alhambra—Curbing, walks, guttering and 5 in. asphaltic concrete paving, etc. San Clemente Ave., to Hall-Johnson Co., 905 Westminster Ave., $39,966. Noted Apr. 7.

Calif., Bakersfield—Warrenite on asphalt paving, etc., East 19th St., etc., to Union Paving Co., Call Bldg., San Francisco, $33,935.

Calif., Hawthorne—To G. H. Oswald, 366 East 58th St., Los Angeles, grading, curbing, walks and asphaltic concrete paving, etc. portions Wallace St. $48,175, and Connecticut Ave. $98,495, also curbing, guttering, walks, concrete and asphaltic concrete paving, etc. New Hampshire Ave. $28,245. Grand total $174,915.

Calif., Los Angeles—Grading, concrete and asphaltic concrete paving, etc. Spring St. between Temple and 1st Sts., to Griffith Co., Railway Bldg., $32,012; also grading and concrete paving Keniston Ave. between Country Club Dr. and San Vicente Blvd., to G. H. Oswald, 366 East 58th St., $25,147.

Calif., Los Angeles—See "Sewers."

Calif., Los Angeles — To G. H. Oswald, 366 East 58th St., grading and concrete paving Sexon Dr. between Cunard St. and Delevan Dr. $29,137, Pico Blvd. $117,225, and West Blvd. $46,600; to W. Liddington, 420 East 60th St., Orange Dr. between Beverly Blvd. and 3rd St. $25,943, 5th St. between Bolyston St. and Lucas Ave. $60,191, and Hyperion Ave. between Fountain Ave. and Sunset Blvd. $26,859; to Hanrahan Co., Standard Oil Bldg., San Francisco, Los Feliz Blvd. between Griffith Park and Vermont Ave. $269,116; to Griffith Co., Railway Bldg., Buell St., $76,998; to J. L. McClain, 3452 West Slauson Ave., Sherman Way, $160,995; also to Spencer & Holt, Frost Bldg., Moorpark St. between Clybourn Ave. and Cahuenga Blvd., $30,260. Grand total $843,324. Noted June 9.

Calif., Los Angeles — Los Angeles Co., grading and concrete paving, etc. Waltonia Dr., etc. Impvt. 453, to W. H. Goff, 1921 Apex Ave., $35,858; also grading, etc. Saddle Peak Rd., to Kreider-Chase Co., 126 West 3rd St., $41,337. Noted Aug. 25.

Calif., Oakland—Grading and oil macadam paving, etc. Hyacinth Ave. and Violet St., etc., to Heafey-Moore Co., 344 High St.

Calif., Santa Ana—E. L. Vegely, city clk., grading, curbing, guttering, walks and 5 in. concrete paving 20,220 sq.ft. and 4 in. as-

Streets and Roads (Continued)

phaltic concrete paving 101,249 sq.ft. Custer and Logan Sts., etc. to S. Finley, 204 East 4th St., $26,365.

Calif., Santa Ana—Orange Co., widening and repaving Newport Ave., 133,880 sq.ft. gravel shoulders and 10,350 tons asphaltic concrete, to Griffith Co., Railway Bldg., Los Angeles, $52,590; also widening and concrete paving, etc. 10,025 cu.yd. same avenue, to Wells & Bressler, Santa Ana, $85,399.

Calif., Willows—Supervs. Glenn Co., 5 in. Warrenite bithulithic paving, etc. Elk Creek-Willows Rd., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $71,405. Noted Aug. 4.

B. C., Ocean Falls—Grading and gravelling 1 mi. Martin Valley Rd., 14 ft., to Pacific Mills Ltd., Ocean Falls. $30,000.

Buildings—Commercial

Proposed Work

Me., Portland—APARTMENT HOTEL—Finks Bros., 235 Middle St., having plans prepared by C. L. Lane, 77 Roberts St., 13 story and basement, 100 x 150 ft., rein.-con., brick and steel, High St. To exceed $150,000.

Mass., Boston—AMUSEMENT PALACE—C. Chironis, pres. Quality Lunch, Inc., Brookline, plans 2 story and basement, 170 x 170 ft., amusement palace, incl. dance hall, club rooms, bowling alley, billiard rooms, card rooms, etc., Soldiers Field, here. $400,000. Engineer and architect not selected.

R. I., Lonsdale—TEMPLE—Unity Lodge 34, c/o U. G. Upham, archt., Bigelow Blk., Norwood, Mass., having revised plans prepared 2 story and basement, brick and stone masonic temple, plain foundation. $150,000. Former bids rejected. Noted May 12.

Conn., Bridgeport — HOSPITAL — Park City Hospital, 695 Park Ave., had plans prepared by L. Asheim, 211 State St., altering and constructing hospital addition. $200,000 funds being raised for same.

Conn., Hartford—BUSINESS—G. Fox & Co., Inc., 970 Main St., plans business building, Main and Church Sts. To exceed $150,000. Engineer and architect not selected.

N. Y., Brooklyn — BANK — East New York Savings Bank, 1118 Eastern Parkway, Brooklyn or Holmes & Winslow, archts., 15 East 38th St., New York City, take bids about Oct. 20, 2 story and basement bank, 2644 Atlantic Ave. $500,000.

N. Y., Brooklyn—THEATRE—B. S. Moss Theatres, 1560 Bway., New York City, having plans prepared by T. W. Lamb, 644 8th Ave., New York City, theatre, East Parkway, here. $750,000.

N. Y., New York—PROFESSIONAL—H. Van Rensselear, 40 East 61st St., takes bids about Oct. 14, 13 story, brick, steel and stone, concrete foundation, 40-44 East 61st St. $400,000. Noted Aug. 25.

N. Y., New York — THEATRE — J. J. Shubert, 225 West 44th St., having plans prepared by H. J. Krapp, 1 West 47th St., theatre, 1,100 seating capacity, 243 West 47th St. $250,000.

N. Y., New York—THEATRE—R. E. Hall & Co., archts., 231 West 43rd St., soon lets contract 3 story and basement, 100 x 125 ft., rein.-con., 53rd and 54th Sts. between 6th and 7th Aves., for Craig Theatre Corp. $300,000.

N. J., Asbury Park — APARTMENT — Pronto Constr. Co., c/o C. B. Cook, archt., Asbury Park Trust Bldg., having plans prepared 5 story and basement, 75 x 150 ft., brick and steel, plain foundation, 8th Ave. and Webb St. $175,000.

N. J., Atlantic City—APARTMENT—L. Schaeffer, c/o B. Ireland, archt., Guarantee Trust Bldg., having plans prepared 5 story and basement, 60 x 140 ft., brick and steel, plain foundation, 109 States Ave. $180,000.

N. J., Belleville (br. Newark)—APARTMENT—N. Harris, archt., 20 Branford Pl., Newark, soon takes bids general contract 5 story and basement, 50 x 125 ft., brick and steel, plain foundation, 169-171 Washington St., here. $150,000. Owner's name withheld. Noted Sept. 22.

N. J., Bloomfield — APARTMENT — M. Olman, 46 Maolis Ave., having plans prepared by S. Singer & A. G. Brach, 60 Park Pl., Newark, 6-story and basement, brick and steel, plain foundation, here. $250,000.

N. J., East Orange—APARTMENT—Z. & K. Holding Co., c/o E. V. and C. F. Warren, Essex Bldg., Newark, having plans prepared 4 story and basement, brick and steel, plain foundation, 115 Halstead St., here. $160,000.

N. J., East Orange—APARTMENT—J. B. Peterkin, archt., 285 Madison Ave., New York City, takes bids about Nov. 1, 10 story, brick and steel, plain foundation, 39 Prospect St., here, for Thirty-Nine Prospect Street Corp., 790 Broad St., Newark. $1,000,000.

N. J., East Orange—SHOW ROOM and GARAGE—Baldwin Constr. Co., 614 Central Ave., soon lets contract 2 story and basement, 120 x 200 ft., brick and steel, plain foundation, Railroad Plaza and Halstead St. $150,000. E. V. and C. F. Warren, Essex Bldg., Newark, archts. Noted Sept. 29.

N. J., Edgewater—APARTMENT—W. R. Campbell, c/o C. G. Mettberg, archt., 79 West Palisade Blvd., Palisade, having plans prepared 5 story and basement, 50 x 150 ft., brick and steel, plain foundation, Undercliffe Ave. $150,000.

N. J., Elizabeth—CLUB—Y. M. and Y. W. H. A., 1034 Jersey St., plans 2 story and basement, brick and steel, plain foundation, 1034 East Jersey St. $150,000. Engineer and architect not selected.

N. J., Hillside (br. Elizabeth)—APARTMENT—Owner, c/o M. J. Nadel, archt., 32 Hill St., Newark, having plans prepared 3 story and basement, 80 x 150 ft., brick and steel, plain foundation, 1522 Maple Ave. $150,000.

N. J., Irvington (br. Newark)—APARTMENT—Supelman & Roagen, Inc., c/o M. J. Nadel, archt., 32 Hill St., Newark, having plans prepared 4 story and basement, 60 x 150 ft., brick and steel, plain foundation, 128-34 40th St., here. $150,000.

N. J., Irvington (br. Newark)—APARTMENT—H. Zukoneck, c/o V. Strombaek, archt., 1243 Springfield Ave., having plans prepared 4 story and basement, brick and steel, plain foundation, 982 Grove St. $150,000.

N. J., Montclair—OFFICE—Owner, c/o Holmes & Von Schmid, archts., 1 The Crescent, having sketches made 5 story and basement, brick and steel, plain foundation. $150,000.

N. J., Newark — APARTMENT — Schwartz & Cohen, c/o R. Bottelli, archt., 45 Branford Pl., Newark, having plans prepared 5 story and basement, 75 x 140 ft., brick and steel, plain foundation, 244 Roseville Ave. $150,000.

N. J., Newark — APARMENT — Owner, c/o H. Rosensohn, archt., 188 Market St., having plans prepared 4 story and basement, 80 x 130 ft., brick and steel, plain foundation, 538 Summer Ave. $250,000.

N. J., Newark — CLUB — St. Joseph's Council Italian Catholic Union, 118 7th Ave., had sketches made by J. Centanni, archt., 142 Market St., 3 story and basement, brick and steel, plain foundation, $150,000 funds being raised for same. Noted Sept. 15.

N. J., North Bergen (Ind. br. Weehawken)—APARTMENT—Owner, c/o P. Simeone & Co., Inc., 22 Journal Sq., Jersey City, having sketches made 5 story and basement, brick and steel, plain foundation. $175,000.

N. J., Plainfield—APARTMENT—Owner, c/o N. Harris, archt., 20 Branford Pl., Newark, having plans prepared 4 story and basement, 200 x 350 ft., brick and steel, plain foundation, West 7th St., here. $500,000.

N. J., Trenton—HOSPITAL—St. Francis Hospital, Chambers and Hamilton Sts., E. C. Rose, chn., 148 West State St., having plans prepared by W. A. Klemann, 1st Natl. Bank, 4 story, 45 x 206 ft. hospital. $400,000

Pa., Bryn Mawr—BANK—Byrn Mawr Trust Co. having plans prepared by T. James, 342 Madison Ave., New York City, 3 story and basement, 30 x 64 ft., and 84 x 105 ft., rein.-con., brick, steel and stone addition. Metal sash and frame, elevators, vacuum heating, etc.

Pa., Kittanning — HOSPITAL—Kittanning General Hospital having plans prepared by Tillman Scheeren, archts., Ford City, and P. C. Dowen, associated archt., Century Bldg., Pittsburgh, 4 story and basement, brick and steel, McKean St. $250,000.

Pa., Phila.—APARTMENT—A. W. Hall, archts., 15th and Locust Sts., soon lets contract 4 story and basement, 52 x 137 ft., rein.-con., brick and steel, plain foundation, 58th and Overbrook Sts., for Owner, c/o R. J. Seltzer, Inc., agt., 15th and Locust Sts.

Ga., Brunswick—HOTEL—Sea Island Investment, Inc., P. J. Varner, vice pres., c/o W. L. Stoddard, archt., 50 East 41st St., New York City, soon lets contract 4 story hotel, Glen Isle, here. $450,000.

Fla., St. Petersburg — STORE — S. H. Kress Co., 114 5th Ave., New York City, soon lets contract 4 story and basement, 80 x 100 ft., rein.-con., brick, terra cotta and steel, plain foundation, Central Ave. and 5th St., here. $225,000. E. J. T. Hoffman, 114 5th Ave., New York City, archt.

O., Rocky River (br. Cleveland)—THEATRE—Hotel Westlake, c/o Strauss Bros., Otis Bldg., Chicago, Ill., plans, 1 story, brick, steel and concrete theatre addition to hotel, Detroit Rd. $200,000.

Ind., Hammond—STORE—Kaufman & Wolfe, soon lets contract for Lion Dept. Store, 4 story and basement, 110 x 185 x 293 ft., rein.-con., brick and steel, Hohman St. $1,250,000. A. S. Alschuler, 28 East Jackson Blvd., Chicago, Ill., archt.

Ind., Indianapolis — OFFICE — Klein & Kuhn, mgrs. Architects & Engineers Building, Pennsylvania and Vermont Sts., having plans prepared by Rubush & Hunter, 428 Amer. Central Life Bldg., 11 story and basement, 50 x 195 ft., rein.-con. and brick office building. $250,000.

Ind., Lincoln City—MEMORIAL—Lincoln Union Executive Com., having plans prepared by T. E. Hibben, 5433 University Ave., Indianapolis, memorial building, Lincoln Shrine, Spencer Co. $1,265,000.

Mich., Ann Arbor—OFFICE—First Natl. Bank, 100 South Main St., had plans prepared by Fry & Kasurin, Nickels Arcade Bldg., Detroit, 10 story and basement, 45 x 125 ft., rein.-con., brick and steel, plain foundation, South Main St. $300,000.

Mich., Detroit — APARTMENT — H. Applebaum, 9212 Yellowstone Ave., had plans prepared by Wiedmaier & Gay, 1212 Metropolitan Bldg., 4 story and basement, 90 x 121 ft., brick and steel, plain foundation, Merton Rd. $175,000.

Mich., Detroit—HOTEL—S. Plotkin, 640 Lafayette Bldg., having plans prepared by C. N. Agree, 1140 Book Tower Bldg., 4 story and part basement, 200 room, brick, stone and steel addition, plain foundation, Michigan Ave. $200,000.

Mich., Pontiac — APARTMENT — C. R. Van Buskirk, archt., 26 Crofoot Bldg., soon lets contract 3 story and basement, 70 x 136 ft., rein.-con., brick and steel, plain foundation, Oakland Ave., for G. Maurer, 60 Owego Dr. $150,000.

Ill., Chicago—APARTMENT—R. S. De Golyer & Co., archts., 307 North Michigan Ave., prepared plans and soon takes bids 24 story and basement, 45 x 165 ft., brick, stone and steel, 1430 Lake Shore Dr., for W. C. Bannerman & Co., 77 West Washington St. $2,000,000. Noted July 14.

Ill., Chicago—CLUB and OFFICE—High Noon Club (Masons), 18 South Michigan Ave., C. E. Knapp, pres., plans raising $5,000,000 funds, 44 story and basement club and office building. W. W. Ahlschlager, Inc., 65 East Huron St., archts.

Ill., Chicago—OFFICE and STORE—P. B. Maher, archt., 157 East Erie St., prepared plans and soon takes bids remodeling 4 story and constructing 1 story, 75 x 100 ft. top addition, also constructing new 5 story, 20 x 100 ft. addition, brick and stone, Ontario St. and South Michigan Ave., for Erskine-Danforth Corp., 315 North Michigan Ave. $300,000.

Ill., Oak Park—MASONIC TEMPLE—Oak Park Lodge, 540, having plans prepared by Thielbar & Fugard, 219 East Superior St., Chicago, 3 story and basement, 99 x 150 ft., brick and Bedford stone, Lake St. and Forest Ave. $265,000.

Mo., Kansas City—HOSPITAL—Schloss Memorial Hospital, S. Harzfield, pres., 15th and Main Sts., having sketches made by Schmidt, Garden & Erickson, archts., 104 South Michigan Ave., Chicago, Ill., and Greenbaum, Hardy & Schumacher, associated archts., Scarrett Bldg., hospital, between 49th and 50th Sts. from Troost Ave. to Lockhill Rd. $1,250,000.

Mo., St. Louis — AUDITORIUM — Bd. Pub. Serv., 208 City Hall, takes bids early in 1928 5 story and basement, rein.-con., steel and stone, Market St. between 14th and 15th Sts. $5,000,000. Municipal Plaza Comn., Inc., c/o owner engr. and archt. Noted Mar. 10.

Mo., St. Louis—GARAGE—William King & Associates, Inc., 117 South Bway., soon take bids 6 story and basement, 103 x 200 ft., rein.-con. and brick, 13th and St. Charles Sts. $500,000. W. J. Knight & Co., Wainwright Bldg., engrs.

Mo., St. Louis—STORE, WAREHOUSE and TERMINAL—Independent Plumbing & Heating Co., I. P. Goldberg, 1119 Chestnut St., having plans prepared 2 story and basement, 170 x 281 ft., rein.-con., brick and steel store and warehouse, incl. 2 loading platforms and switch track, 3324-40 Market St. $150,000. Private plans.

Ark., Helena—THEATRE, LODGE and OFFICE—Knights of Pythias Lodge having preliminary plans prepared 5 story, rein.-con., brick and stone theatre, lodge and office building. $250,000.

Tex., Eastland—COURTHOUSE—Lang & Witchell, archts., 200 Amer. Exch. Bldg., Dallas, soon takes bids 5 story and basement courthouse, here, for Eastland Co.,

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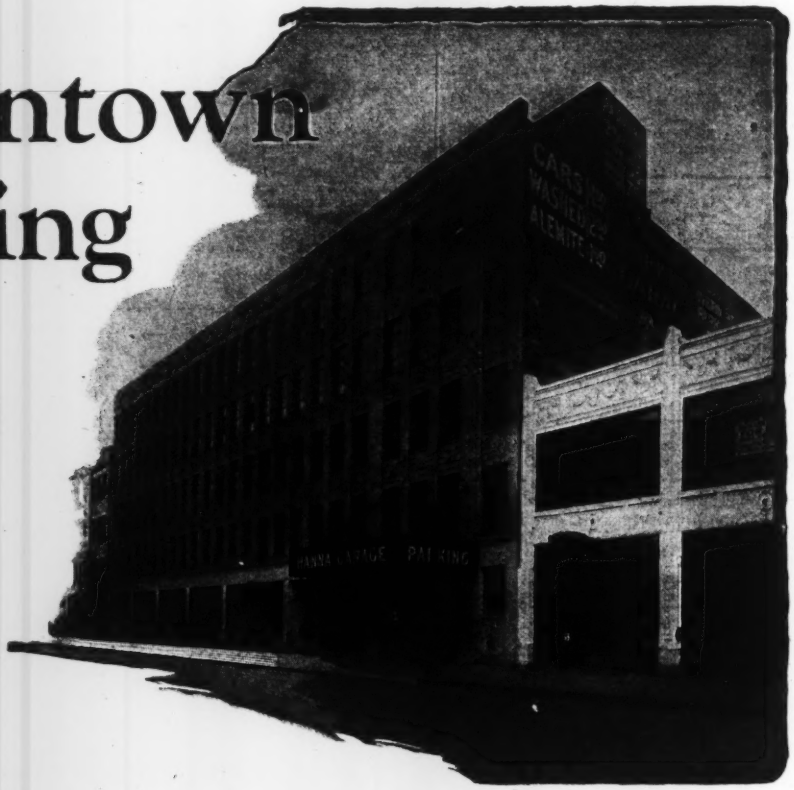
AMERICA NEEDS MORE GARAGES IN HER CITIES

Downtown Parking as a Business



Hanna Garage, Cleveland, Ohio, designed by Hadlow Hick Company, Architects—5 stories high and 500 cars capacity. d'Humy Motoramps for customer convenience and operating profit.

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GARAGE ENGINEERS

CONSULTANTS ON PROMOTION AND GARAGE OPERATION

Buildings—Commercial (Continued)

G. S. Prichard, judge, $300,000. Noted Aug. 4.

Tex., San Antonio—HOTEL and GARAGE—J. J. Nix & associates, c/o Travis Bldg., making preliminary plans 18 story and basement, rein.-con. brick, plain foundation. $700,000.

Tex., Waco—MEDICAL ARTS—Medical Arts Development Co. having plans prepared by J. N. McCammon Co., Inc., 404 Const.-Ind. Bldg., Dallas, 11 story and basement, 60 x 75 ft., rein.-con., brick, steel and stone, 9th and Austin Sts. $400,000.

Okla., Ardmore—ORPHANAGE—B. P. O. E. Lodge having preliminary plans prepared rein.-con. and brick, plain foundation. $200,000. Engineer and architect not selected.

Okla., Henryetta—HOTEL—F. Meadors having preliminary plans prepared 4 story and basement, rein.-con. and brick, plain foundation, 2nd St. $150,000. Engineer and architect not selected.

Okla., Tulsa — OFFICE — Oklahoma Natural Gas Corp., 117 West 4th St., having plans prepared by A. M. Atkinson, Midcontinent Bldg., 10 story, 47 x 140 ft., rein.-con., brick and terra cotta, Main St. $350,000.

Okla., Wewoka—HOTEL—E. G. Aldridge had plans prepared by A. C Davis & Son, 430 Bway., Shawnee, and soon takes bids 4 story and basement, 75 x 140 ft., rein.-con. and brick addition, plain foundation, Apple St. $175,000.

Nev., Reno—HOSPITAL—St. Marys Hospital Corp., c/o A. Caldwell, archt., 918 Harrison St., San Francisco, Calif., having plans prepared 3 and 4 story, rein.-con. hospital. $250,000.

Wash., Seattle—APARTMENT—Colonial Investment Co., Amer. Bank Bldg., having plans prepared by H. Hudson, Amer. Bank Bldg., and takes bids about Oct. 19, 5 story and basement, 57 x 120 ft., concrete, brick and steel apartment and 40 car garage, 1562 Olive Way. $300,000.

Wash., Seattle — AUDITORIUM — Bd. Pub. Wks. soon takes bids civic auditorium, 7,500 seating capacity, and arena 3,000 seating capacity. $1,000,000. Schack, Young & Myers, Central Bldg., archts. Noted Mar. 17.

Wash., Seattle—LODGE—B. P. O. E. 92, c/o S. C. Williamson, chn. building com., soon lets contract 21 story lodge, incl. 422 room apartment hotel, gymnasium, etc., 4th Ave. and Spring St. $1,500,000. Noted May 12.

Calif., Los Angeles—APARTMENT—A. C. LeBrun, archt., Guaranty Bldg., making plans 5 story and basement, 80 x 180 ft., rein.-con., Crescent Heights. To exceed $150,000. Owners name withheld.

Calif., Los Angeles—APARTMENT—D. M. Morris, 3390 San Marino St., had plans prepared by F. J. J. Kuchler, 6128 Brynhurt Ave., 7 story, 50 x 120 ft., rein.-con., stucco and cast stone, 2nd St. and Mariposa Ave. $200,000.

Calif., Los Angeles — APARTMENT — Dwyer & Van Doran, archts., 3142 Wilshire Blvd., prepared plans 5 story and basement, brick, Gramercy Pl. $150,000 or more. Owner's name withheld.

Calif., Los Angeles—WAREHOUSE and FACTORY—Western Wool Exchange, Inc., c/o M. H. Merrill & Co., engrs., 222 Laughlin Bldg., having preliminary plans prepared 2 story and basement, 125 x 245 ft. warehouse. 80 x 175 ft. factory, and 40 x 50 ft. boiler house, probably concrete, Soto St. $200,000 or more.

Calif., Redondo Beach—CLUB and HOTEL—Redondo Beach Lodge of Elks having sketches made by Dwyer & Van Doran, 3142 Wilshire Blvd., 17 story, rein.-con. and tile club and hotel. $1,000,000.

Calif., Sacramento — WAREHOUSE — Zellerbach Paper Co., 534 Battery St., San Francisco, having plans prepared 3 story, rein.-con., Front St. $150,000. Ellison & Russell, Pacific Bldg., San Francisco, engrs.

Calif., San Francisco—APARTMENT—H. C. Baumann, archt., 251 Kearny St., soon takes bids 6 story and basement, steel and rein.-con., Filbert St., for R. Guinasso, 226 Francisco St. $150,000.

Calif., San Francisco—APARTMENT—P. Righetti, archt., 12 Geary St., preparing plans 7 story and basement, Pacific and Powell Sts. Owner's name withheld.

Calif., San Francisco—APARTMENT—E. V. Lacey & J. Steur, Hearst Bldg., plans 17 story and basement, rein.-con., O'Farrell and Leavenworth Sts. $500,000 or more.

Calif., San Francisco—APARTMENT—J. J. Kolburn, 1441 Taylor St., having sketches made by H. C. Baumann, 251 Kearny St., 8 story and basement, concrete apartment. To exceed $250,000.

Calif., San Francisco — HOTEL — St. Francis Hotel, Powell and Geary Sts., had plans prepared by W. Faville, 1st Natl. Bank Bldg., remodeling hotel, Powell St. $800,000.

Calif., San Francisco — OFFICE — San Francisco Stock & Bond Exchange, 341 Montgomery St., plans 4 story and basement, Montgomery St. $500,000. Engineer and architect not selected.

B. C., Vancouver—OFFICE—Vancouver Medical & Dental Building Ltd., 608 Rogers Bldg., had sketches made by W. Bain, Arcade Bldg., Seattle, Wash., 10 or 12 story, 120 x 125 ft., rein.-con., brick and stone, plain foundation, Richards and Georgia Sts. $1,000,000.

Bids Desired

Mass., Framingham — OFFICE — West Boston Gas Co., 49 Howard St., taking new bids 2 story and basement, 80 x 120 ft., brick and stone, plain foundation, Howard St. $150,000. Former bids rejected. C. M. Baker, 25 Arch St., Boston, archt. Noted Aug. 25.

Conn., Bristol—ARMORY—Oct. 14, by State of Connecticut, State House, Hartford, rein.-con., brick and steel, Center and Valley Sts., here. $175,000. Payne & Keefe, 231 State St., New London, archts. Noted July 21.

N. Y., Corning — HOTEL — Oct. 7, by Thomas, Martin & Kirkpatrick, archts., 210 South 16th St., Phila., Pa., 5 story and basement, 70 x 106 ft., rein.-con., brick and steel, plain foundation, here, for Corning Hotel Corp. Former bids rejected. Noted Aug. 11.

N. Y., New York—APARTMENT—Oct. 10, by J. M. Paterson, 247 Park Ave., 9 story and basement, 50 x 100 ft. apartment, 3 East 84th St. $350,000. J. M. Howells & R. M. How, 156 East 46th St., associated archts. Weiskoff & Peckworth, 45 West 45th St., engrs.

N. Y., New York—APARTMENT—Eight Hundred Twenty-Five West End Ave. Corp., c/o I. Polestein, 285 Madison Ave., taking bids and opens same about Oct. 15, excavating, steel, masonry and ornamental iron work for 15 story, 100 x 153 ft., brick and steel, 100th St. and West End Ave. $800,000. E. Roth, 1440 Bway., archt.

N. Y., New York — HOTEL — See "Contracts Awarded."

N. Y., New York — THEATRE — See "Contracts Awarded."

N. Y., New York—THEATRE, OFFICE and STORE—Oct. 10, by T. W. Lamb, archt., 644 8th Ave., altering rein.-con., brick and steel, 964 3rd Ave., and 146 West 58th Sts., for F. F. Proctor, 1564 Bway. $500,000. Noted May 5.

N. Y., Peekskill — THEATRE — A. W. Johnson, archt., 285 Madison Ave., New York City, taking bids 2 story theatre, Park St., here, for Pekman Theatre Corp., c/o Gottesman Enterprises, Room 911, 1540 Bway., New York City. $500,000.

N. Y., Tuckahoe — See "Contracts Awarded."

N. J., Caldwell—APARTMENT—W. J. Fitzsimmons, archt., 626 Central Ave., East Orange, taking bids (selected list of bidders) general contract 4 story and basement, 80 x 100 ft. brick and steel, plain foundation, Roseland and Bloomfield Aves., here, for Civic Center Investment Co., c/o I. Sisselman, 24 Williams St., Newark. $150,000.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Jersey City — THEATRE — See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Teaneck (mail West Englewood)—APARTMENT—See "Contracts Awarded."

Pa., Phila.—APARTMENT—R. N. Dippy, archt., 1601 Walnut St., taking sub bids 15 story and basement, 110 x 120 ft., rein.-con. brick and steel, plain foundation, 69th and Chestnut Sts., for Sixty-Ninth Realty Co., c/o architect.

Pa., Pittsburgh — HOSPITAL — St. Francis Hospital, 45th St., having preliminary plans prepared by S. F. Heckert, Bessemer Bldg., 6 story and basement, irregular shaped, brick and steel addition, 45th and Geneva Sts. $1,500,000 funds being raised for same.

La., New Orleans—HOTEL—Oct. 20, by Weiss, Dreyfus & Serferton, Inc., archts., Maison Blanche Bldg., 18 story and basement, rein.-con., brick and steel, wood pile foundation, Canal St., for Jung Hotel, Canal and LaSalle Sts. To exceed $500,000.

Tenn., Knoxville — CLUBHOUSE — Cherokee Country Club, W. C. Ross, chn. building com., taking bids 2 story, brick and stone clubhouse. $150,000. Bauman & Bauman, 813½ Market St., archts. Noted Nov. 25.

O., Cleveland—HOSPITAL—A. E. Skeel, archt., 5005 Euclid Ave., taking bids and open same about Oct. 12, 2 story and basement, 50 x 150 ft., and 50 x 75 ft., brick, steel and concrete, West 25th St., for Evangelical Deaconess Hospital, c/o A. A. Kitterer, 4229 West 25th St. $300,000.

Ill., Chicago — APARTMENT — S. C Finck, archt., 35 South Dearborn St., taking bids 13 and 15 story and basement, 100 x 260 ft., rein.-con., brick and stone, Sheridan Rd., and Glenlake Ave., for M. S. Willens, 160 North La Salle St. $2,000,000. Noted June 30.

Ill., Chicago—APARTMENT—Oldefest & Williams, archts., 605 North Michigan Ave., taking bids 4 story, 50 x 153 ft., rein.-con., brick and terra cotta, 6037-39 Drexel Ave., for Keith Line, c/o architects. $150,000.

Ill., Chicago — HOTEL — Lowenberg & Lowenberg, archts., 111 West Washington St., taking bids 7 story and basement, 45 x 150 ft., rein.-con., brick and stone, 321 North Central Plaza, for Central Plaza Hotel Corp., 321 North Central Plaza. $500,000.

Ill., Downers Grove — THEATRE and STORE—Van Gunten & Van Gunten, archts., 26 East Huron St., Chicago, prepared plans and taking bids 6 story and basement, rein.-con. and brick, Main St., here, for C. H. Bunze. $500,000.

Ill., Evanston — APARTMENT and STORE — See "Contracts Awarded."

Ill., Winnetka—APARTMENT, OFFICE and STORE—E. T. Leonard Co., taking bids 3 story and basement, 100 x 124 ft., brick and stone, Linden Ave. and Tower Rd. $150,000. Oldefest & Williams, 605 North Michigan Ave., Chicago, engrs.

Okla., Fairview—COURT HOUSE—Oct. 12, by B. E. Dange, clk. Major Co, 3 story and basement, 88 x 140 ft., rein.-con. and brick, plain foundation, Main St. $150,000. Tonini & Bramblett, 416½ West Main St., Oklahoma City, archts. Noted Sept. 15.

Okla., Tulsa—OFFICE—See "Contracts Awarded."

Wash., Camp Lewis—HOSPITAL—Oct. 24, by Constructing Quartermaster, hospital at Camp Lewis.

Calif., Long Beach—HOTEL—See "Contracts Awarded."

Calif., Los Angeles—WAREHOUSE and OFFICE—Bekins Fireproof Storage Co., 1335 South Figueroa St., taking bids 8 story, rein.-con., Pico Blvd. $250,000. F. E. Barton, Crocker Bldg., San Francisco, archt. Noted Aug. 25.

Calif., Pasadena—BANK and OFFICE—Bennett & Haskell, archts., Security Bldg., taking bids 9 story and basement, 200 x 230 ft., class "A," Colorado St. and Madison Ave., for 1st Trust & Savings Bank, and 1st Natl. Bank. Noted Dec. 30.

Calif., Redlands — THEATRE, STORE and OFFICE—L. A. Smith, archt., Film Exch. Bldg., Los Angeles, taking new bids rein.-con., here, for West Coast Theatres, Inc., Film Exch. Bldg., Los Angeles. $200,000. Former bids rejected. Noted June 23.

Calif., San Francisco—APARTMENT—Oct. 17, by C. A. Meusdorffer, archt., Humboldt Bank Bldg., 7 story and basement, steel and rein.-con., Pacific and Webster Sts., for A. W. Wilson, c/o architect. $150,000. Noted Sept. 29.

Calif., San Francisco—STAGE DEPOT—O'Brien Bros., archts., 315 Montgomery St., taking bids 7 story, basement and subbasement, Mission and 5th Sts., for Pickwick Stage System, 75 5th St. $500,000. Noted June 30.

Calif., Stockton—HOSPITAL—Oct. 18, by State Dept. Pub. Wks., Div. of Architecture, Sacramento, Farm Cottage Buildings 5, 6 and 7, 2 story, rein.-con., here. $200,000. B. G. McDougall, Forum Bldg., Sacramento, state archt. Noted July 14.

B. C., Vancouver—HOSPITAL—Oct. 31, by City Council, City Hall, 6 story and basement, 45 x 274 ft., rein.-con. and terra cotta, plain foundation, 12th Ave. and Willow St., for Vancouver General Hospital, 10th Ave. and Heather St. $400,000. P. P. Brown, 407 London Bldg., structural engr. A. J. Bird, city archt. Noted Dec. 30.

Contracts Awarded

Mass., Springfield — OFFICE — United Electric Light Co., 73 State St., 3 story, 78 x 90 ft., brick, steel and limestone addition, to E. J. Pinney, Inc., 220 Dwight St. Engrs. est. $150,000.

Conn., Hartford — TEMPLE — Labor Temple Assn., Inc., C. Hellyar, chn., 1 and 3 story, 44 x 100 ft., and 62 x 85 ft., brick and steel, Park St., to Richard Johnson Co., 50 Trumbull St. Archts. est. $150,000. Noted July 28.

Conn., Middletown—WARD—Connecticut State Hospital, R. L. Leak, supt., three 3 story, brick and steel additions, to Loucks & Clarks, Ernest St., Wallingford. Archts. est. $150,000.

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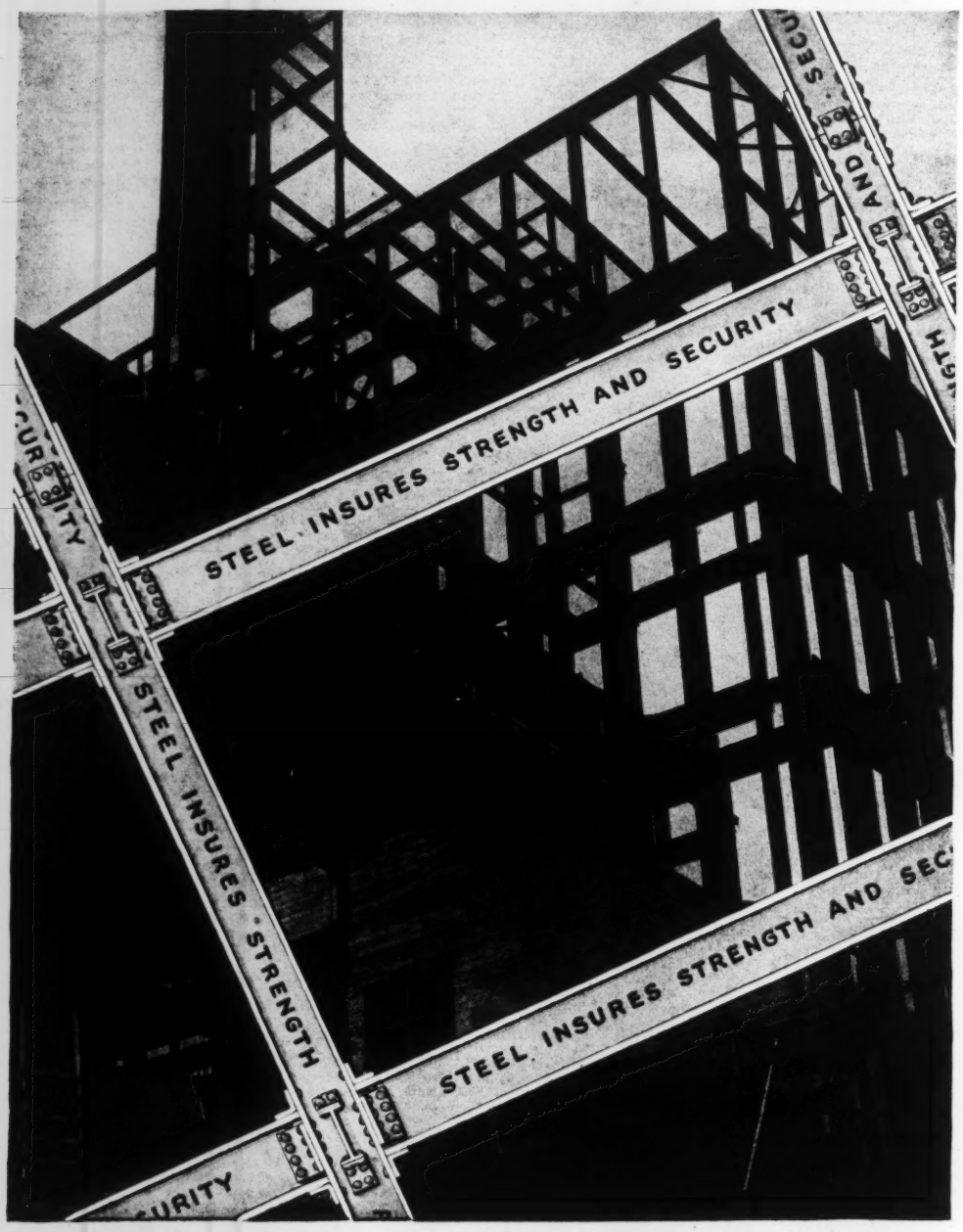

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Buildings—Commercial (Continued)

N. Y., Albany—BANK—First Trust Co., 3 story addition, to J. P. Sewell, 372 Hudson Ave., $500,000.

N. Y., Brooklyn — APARTMENTS — Twenty-Four Monroe Pl., Inc., 13 story, 75 x 101 ft., rein.-con., brick and steel, plain foundation, 22 Monroe Pl., to David Solomon, 160 Montague St. Archts. est. $800,000.

N. Y., Brooklyn—HOSPITAL—Lord & Hewlett, archts., 2 West 45th St., New York City, 6 story and basement hospital, Albany and Atlantic Aves., to Wm. Kennedy Constr. Co., 215 Montague St., for St. Johns Hospital, c/o Church Charity Foundation, 1521 Atlantic Ave. Archts. est. $1,600,000. Noted Sept. 15.

N. Y., Far Rockaway — POLICE STATION—Police Dept., 240 Center St., New York City, general contract police station and garage, Mott Ave. and Mott Pl., here, to Wiglan Building Co., 145 West 45th St., New York City, $177,300. Noted Apr. 15.

N. Y., Jamaica—BANK and OFFICE—Natl. Title Guaranty Co., 9225 Union Hall St., 10 story and basement, rein.-con., brick and steel, concrete pile foundation, Jamaica Ave. near Washington St., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Archts. est. $400,000. Noted June 23.

N. Y., New York—APARTMENTS—Arezzo Corp., 20 Vesey St., 14 story and basement, rein.-con., brick and steel, 160 East 72nd St., to T. E. Rhoades Co., 342 Madison Ave. Archts. est. $1,000,000.

N. Y., New York — APARTMENT — J. Tishman & Sons, 285 Madison Ave. (owner and builder), will build 15 story, 90 x 160 ft., rein.-con., brick and steel, plain foundation, Park Ave. and 81st St. $2,500,000. Schwartz & Gross, 285 Madison Ave., archts.

N. Y., New York — BANK — Natl. City Bank, 55 Wall St., 2 story, 30 x 100 ft. bank, 123 East 86th St., to E. Corning Co., 145 East 45th St. Archts. est. $150,000. Noted Aug. 11.

N. Y., New York—GARAGE—Vedava Realty Co., 532 5th Ave., 3 story, 104 x 200 ft. garage, 623 57th St., to T. J. Murphy Co., 2 West 45th St. $200,000. Yellow Taxi Co., 419 East 60th St., lessee.

N. Y., New York—HOTEL—M. Kurzrok, 550 7th Ave., will build Hotel Victoria, 22 story and basement, 75 x 125 ft. rein.-con., brick and steel, plain foundation, 51st St. and 7th Ave. $1,600,000. Work will be done by separate contracts. Schwartz & Gross, 345 5th Ave., archts.

N. Y., New York — THEATRE — D. M. Oltarsh, (owner and archt.), 36 West 44th St., will build theatre, Dyckman St. $750,000. Work will be done by separate contracts.

N. Y., Richmond Hill (Ind. br. Jamaica) — COMMUNITY CENTER — Knights of Columbus, 799 7th Ave., New York City, 2 story, brick, steel and stone, Justice plain foundation, 109th St. and Atlantic Ave., here, to J. Dolnecke, 367 Fulton St., Brooklyn. Archts. est. $350,000. Noted Feb. 25, 1926.

N. Y., Tuckahoe — APARTMENTS — J. Conte & A. Zuccaro, 21 Hillside Ave., will build apartment. $175,000. Work will be done by separate contracts. S. L. Waller, 14 West 45th St., New York City, archt.

N. Y., Williamsville — CLUBHOUSE — Park Golf Club, North Lincoln Blvd., 2½ story, rein.-con., terra cotta and brick, concrete foundation, Main St., here, to R. E. Williams, 775 Main St., Buffalo. Archts. est. $150,000. Noted Apr. 28.

N. Y., Yonkers—WAREHOUSE—Feurers Warehouse & Trucking Co., 63 Dock St., 4 story (ultimately 7 story), 92 x 100 ft. rein.-con., Ludlow and Bridge Sts., to Johnson-Miller Co., 1 Bright Pl. Archts. est. to exceed $150,000. Noted Aug. 25.

N. J., East Orange—APARTMENTS—A. C. Baldwin, 944 Broad St., Newark, will build 4 story and basement, 65 x 85 ft., brick and steel, plain foundation, 222-24 Glenwood Ave. $200,000. Work will be done by separate contracts. R. C. Klemm, 944 Broad St., Newark, archt.

N. J., East Orange—APARTMENT—H. Racklin, 13 Rose Terrace, Newark, will build 4 story and basement, 70 x 170 ft., brick and steel, plain foundation, Washington and Hilyer Sts. $150,000. Work will be done by separate contracts. F. J. Cook, 9 Clinton St., Newark, archt. Noted Sept. 15.

N. J., Jersey City—THEATRE—Loews Theatrical Entrperises, 1540 Bway., New York City, will build theatre, Journal Sq., here. $300,000. Work will be done by separate contracts. Rapp & Rapp, Paramount Bldg., New York City, archts. Noted Aug. 4.

N. J., Newark—APARTMENT—Kanter & Cohen, 146 Goodwin Ave., will build 5 story and basement, 70 x 106 ft., brick and steel, plain foundation, Schley St. and Phils Pl. $160,000. Work will be done by separate contracts. S. Cohen, 130 Branford Pl., archt.

N. J., Newark—APARTMENT—Wolcott Holding Co., Stratford Pl., will build 5 story and basement, 98 x 100 ft., brick and steel, plain foundation, Stratford Pl. and Avon St. $175,000. Work will be done by separate contracts. H. F. Clark, 38 Clinton St., archt.

N. J., North Caldwell (mail Caldwell)—CELL HOUSE and PENITENTIARY—Essex Co., Court House, Newark, general contract altering penitentiary, here, to Bowe & Millimet, 774 Bline Ave., Union City, $378,850; plumbing, to R. B. Smith, 62 Ann St., Newark $61,440; and heating, to Jaehnig & Peoples, Inc., Central Ave., Kearny, $86,250; constructing 210 cells, to D. Fries & Son, 2nd and Madison Sts., Covington, Ky., $193,728. Grand total $720,268. Noted Sept. 22.

N. J., Scotch Plains — HOSPITAL — Bd. Freeholders Union Co., Broad St. and Elizabeth Ave., Elizabeth, general contract 1 and 2 story, 143 x 245 ft., brick and steel, plain foundation, County Hospital Grounds, here, to C. R. Hedden Co., 357 South Orange Ave., Newark, $424,342; plumbing and heating, to Jaehnig & Peoples, 221 13th Ave., Newark, $111,427 and $73,988 respectively. Grand total $609,757. Noted Aug. 18.

N. J., Teaneck (mail West Englewood)—APARTMENT—Billington Towers Corp., Ft. Lee Trust Bldg., Main St., Fort Lee, will build 4 story and basement, brick and steel, plain foundation, West Englewood Ave. $150,000. Work will be done by separate contracts. G. W. Dexter, Fort Lee Trust Bldg., Main St., Fort Lee, archt. Noted Sept. 15.

Pa., Haverford — APARTMENT — C. D. Gardner, Real Estate Trust Bldg., Phila., will build irregular shaped, brick and steel apartment, 60,000 sq.ft. floor space, plain foundation, here. $400,000. Work will be done by separate contracts. Lippencott & Schaeff, 11 South 16th St., Phila., archts.

Pa., Kane — HOSPITAL — Community Hospital, 3 story, 56 x 166 ft., brick hospital, to Hyde Murphy Co., Ridgeway. Archts. est. $250,000.

Md., Bridewell (mail Jessups) — CELL HOUSE—House of Correction (Bd. Welfare), 57 x 268 ft., brick and steel wing, 60 ft. high, plain foundation, to Davis Constr. Co., 9 West Chase St., Baltimore. $260,000; cell work, to Van Dorn Iron Wks., 2685 East 79th St., Cleveland, O., $240,000. Noted Sept. 15.

Miss., Hattiesburg — HOTEL and THEATRE — Syndicate forming, c/o Chamber of Commerce, T. S. Jackson, secy., 7 story and basement, rein.-con., brick, stone and terra cotta, Forest and Pine Sts., to Selden-Breck Constr. Co., Fullerton Bldg., St. Louis, Mo. Archts. est. $1,000,000. Noted Jan. 24.

O., Columbus—CLUB—J. A. Beer, 236 15th Ave., general contract 8 story and basement, 90 x 185 ft., brick, stone and concrete, South 4th St., to Middle States Constr. Co., 1237 Essex St., for Y. W. C. A., 20 South 3rd St. approximately $500,000.

O., Dayton—AUTO SALES and SERVICE—Stomps Sales Co., 504 South Main St., 3 story and basement, 100 x 200 ft., brick and rein.-con., plain foundation, South Main St., to A. L. Ostendorf, 1060 Grand Ave., $160,000.

O., Lakewood (br. Cleveland)—APARTMENT—City Savings & Loan Co., 630 Euclid Ave., Cleveland, 3 story and basement, 89 x 120 ft., brick, 14818 Clifton Blvd. to M. Duchon, 1077 Thornhill, Cleveland. Archts. est. $150,000.

O., Lakewood (br. Cleveland)—APARTMENT—J. Rosenfield, 3 story and basement, 41 x 119 ft., brick, steel and concrete, 11825 Lake Ave., to C. Tilles, 2737 West 14th St., Cleveland. Archts. est. $150,000.

Ind., Brazil — HOSPITAL — Comrs. Clay Co., C. J. McCullough, general contract 3 story, brick and steel, to J. M. Cutshall & Sons, Brazil; heating and plumbing, to Wissel & Chrisman, 1420 Wabash Ave., Terra Haute. Archts. est. $150,000. Noted Aug. 18.

Ind., Corydon—COURT HOUSE—Harrison Co., general contract 3 story and basement, 65 x 114 ft., brick, steel and stone, to J. F. Beggs, Scottsburg. Archts. est. $150,000. Noted Sept. 8.

Ill., Chicago—APARTMENT—R. S. De Golyer & Co., archts., 307 North Michigan Ave., general contract 20 story and basement, 100 x 125 ft., brick, stone and terra cotta, incl. ball room, swimming pool, etc., to C. B. Johnson & Son, Inc., 306 South Wabash Ave., for Powhattan Building Corp., c/o contractors. Archts. est. $2,500,000.

Ill., Chicago — APARTMENT — H. S. Lewis, 77 West Washington St., general contract 5 story and basement, 50 x 150 ft., rein.-con. and brick, 6230-32 Dorchester Ave., to Rosenthal, Mayer & Lewis, 77 West Washington St. Archts. est. $400,000.

Ill., Evanston — APARTMENT and STORE — Cooper, Winston & Manierre, 112 West Adams St., will build 4 story and basement, 70 x 132 ft., rein.-con., brick and stone, Chicago Ave. and Grove St., by day labor. Archts. est. $300,000. Noted July 14.

Ill, Oak Park—APARTMENT—Meyer & Cook, archts., 820 Tower Court, Chicago, masonry contract two 3 story and basement, one 100 x 116 ft., and other 65 x 100 ft., brick and stone, Holley Court and Marion St., here, to Freevol & Smedberg, 5950 West Erie St., Chicago; carpentry contract, to C. J. Nelson, 529 North Le Claire St., Chicago; heating, to W. Lees, Inc., 548 West Washington Blvd., Chicago; plumbing, to W. Gawne, 5519 West Madison St., Chicago, for R. E. Nicholas, Oak Park. Noted Aug. 11.

Minn., Minneapolis — OFFICE — Yeates Building Co., E. W. Yeates, pres., 310 Yeates Bldg., general contract 18 story and basement, 85 x 157 ft., rein.-con., brick and steel, 76 South 9th St., to Madsen Constr. Co., 618 Natl. Bldg. Archts. est. $1,750,000.

Tex., Caldwell — COURTHOUSE—Burleson Co., c/o G. W. Grant, judge, 3 story and basement, 73 x 118 ft., rein.-con., brick, steel and stone, to T. B. Bubbard Constr. Co., 1507 Sheppard St., Houston, $125,165.

Tex., Gainesville—HOTEL—W. C. Hedrick, archt., 1005 1st Natl. Bank Bldg., Fort Worth, 6 story and basement, 45 x 125 ft., rein.-con., brick, stone and steel hotel, here, to Bellows-Maclay Constr. Co., 603 Const. Ind. Bldg., Dallas, for Turner Bros. $175,000. Noted Sept. 15.

Okla., Norman—WARD—Bd. of Affairs, Capitol, Oklahoma City, 2 story and basement, rein.-con. and brick, plain foundation, for State Insane Hospital, on campus here, to Tankersley Constr. Co., Trade Natl. Bldg., Oklahoma City. $166,640. Noted Sept. 1.

Okla., Shawnee—HOTEL—H. Phillips, 10 story and basement hotel, to G. P. Carr Constr. Co., Shawnee. Archts. est. $300,000. Noted Sept 22.

Okla., Talihina—WARD—State Bd. of Affairs, Oklahoma City, 3 story and basement, rein.-con., brick plain foundation, at State Tuberculosis Hospital, here, to Bailey & Burns, Norman, $94,750. Noted Sept. 1.

Okla., Tulsa—OFFICE—D. Hunt, Main St., will build 11 story, 100 x 100 ft., and 40 x 50 ft. ell, rein.-con., brick, steel and terra cotta addition, by day labor. Archts. est. $550,000. Noted July 21.

Calif., Berkeley—MEMORIAL—G. Gross, clk. Alameda Co., 2 story and basement, concrete, to Leiter & Son, Call Bldg., San Francisco, $139,767. Noted Aug. 25.

Calif., Long Beach—HOTEL—C. T. McGrew & Son, 1345 West Ocean Ave., will build 6 story and basement, rein.-con., Ocean Ave., by day labor. $200,000. Private plans.

Calif., Los Angeles—APARTMENT and GARAGE—E. C. Carter, 941 South Kenmore Ave., 3 story and basement, 80 x 150 ft., timber and stucco apartment, and 45 x 115 ft. concrete garage, Beachwood Dr., to Tower-Franklin, 14 Singer Bldg., Pasadena, $156,000.

Calif., Los Angeles—CLUB—Los Angeles Athletic Club, 431 West 7th St., 2 and 3 story 290 x 320 ft., rein.-con. and stucco Riviera Country Club Site, Pacific Palisades, near here, to J. B. Richards, Rivera Country Club, Pacific Palisades near here. $250,000.

Calif., Los Angeles—MARKET—Central Wholesale Market Co., 1226 East 8th St., 2 story office and market, and eight 1 story market buildings, brick, concrete and steel, 1201 East 9th St., to Wurster Constr. Co., 1205 Natl. City Bank Bldg., $160,000. Noted June 30.

Calif., Pasadena — APARTMENT — J. Yoakam, 25 Menton Ave., 4 story, 115 x 145 ft., stucco and stone, 455-71 North Raymond Ave., to Pasadena Building Co., 2343 North Garfield Ave., $150,000.

Calif., San Francisco—THEATRE—Capital Co., Bank of Italy Bldg., theatre, 5,200 seating capacity, Hayes and Market Sts., to Macdonald & Kahn. Financial Center Bldg., approximately $2,000,000.

Calif., Santa Maria—THEATRE—C. J. Weyl, archt., Guaranty Bldg., Hollywood, 2 story, 84 x 170 ft., steel and rein.-con., 1,200 seating capacity, here, to Beller Constr. Co., Bank of Italy Bldg., for West Coast Theatre, Inc., Washington St. and Vermont Ave., Los Angeles. $250,000. Noted Sept. 8.

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Buildings—Industrial

Proposed Work

Mass., Malden (br. Boston) — SHOWROOM and WORK SHOP—Palmer Mullen Co., 60 Franklin St., plans showroom, incl. large workshop, Franklin St. $40,000. Noted Sept. 15.

Conn., Meriden — PLANT — Bassick Co., Center and Britainia Sts., soon lets contract 2 story, 60 x 150 ft., and 75 x 100 ft., brick addition. $100,000. Fletcher & Thompson, Inc., 542 Fairfield Ave., Bridgeport, archts. Noted Sept. 29.

N. Y., New York — PRINTING and MANUFACTURING—Phillips Estate, Inc., c/o A. J. Barzaghi, archt., 13 East 37th St., having plans prepared 14 story and basement, brick and steel, plain foundation, 343 West 52nd St. $500,000.

N. J., Pinewald (mail Bayville)—SOAP FACTORY—I. Rokeach & Sons, 345 Hewes St., Brooklyn, will not construct 1 and 2 story, 60 x 150 ft., brick and steel, plain foundation, here. $150,000. Project abandoned. Noted Apr. 29, 1926.

Pa., Cressona—ENGINE HOUSE, etc.—Reading Co., C. Dillenback, ch. engr., Reading Terminal Bldg., Phila., soon lets contract 1 story, 115 x 167 ft. engine house, and 1 story, 37 x 100 ft. locker building, rein.-con. and brick, 100 ft. turntable, two 85 ft. inspection pits, etc., here.

Pa., Erie—MANUFACTURING—J. Zurn having plans prepared by Wilbur Watson & associates, archts. and engrs., 4614 Prospect Ave., Cleveland, O., rein.-con., brick and steel manufacturing plant, foundry, machine shop, boiler house and storage, etc.

Pa., Sharon — PLANT — Sharon Steel Hoop Co. having plans prepared 1 story, approximately 300 x 300 ft., brick and steel addition. $150,000. Private plans.

Va., Richmond — PLANT — Du Pont Rayon Co., Buffalo, N. Y., c/o E. I. du Pont de Nemours & Co., Wilmington, Del., M. Manghum, bus. mgr., purchased 517 acre site and plans plant for manufacturing artificial silk, near here. $8,000,000-$10,000,000. A. J. Saville, Electric Bldg., Richmond, Va., engr.

Miss., Jackson—GARAGE and SERVICE —See "Contracts Awarded."

O., Canton — FACTORY — Klingstedt Bros., 425 Schroyer Ave., having plans prepared by E. Herrmann, Daily News Bldg., and soon takes bids 1 story and basement, 57 x 115 ft., brick, Schroyer Ave. $40,000.

O., Cleveland — FACTORY — Grasselli Chemical Co., Guardian Bldg., had plans prepared 1 story, 80 x 140 ft., steel and corrugated iron factory. $50,000. C. D. Sperry, Guardian Bldg., engr.

O., Galion — FACTORY — Althouse & Jones, archts., Market Bldg., Mansfield, soon let contract 1 story, 85 x 345 ft., brick and steel factory, here, for Galion Iron Wks. & Mfg. Co.

O., Mansfield — FACTORY — Mansfield Tire & Rubber Co., G. W. Stephens, pres., having plans prepared 3 story and basement, 90,000 sq.ft. floor space, brick, steel and concrete factory. $100,000. Private plans.

Kan., Manhattan—POWER and HEATING PLANT—Kansas State Agricultural College, takes bids about Nov. 1, 3 story and basement, 51 x 210 ft., and 83 x 105 ft. wing, rein.-con. and native stone. $315,000. C. D. Cuthbert, State House, Topeka, archt. Noted Sept. 29.

Tex., Del Rio—OIL REFINERY—Mid-Kansas Oil & Gas Co., c/o W. W. Fleming, vice pres., Findlay, O., plans oil refinery, here. $200,000. Private plans.

Tex., Laredo—CANNING PLANT—W. S. Winsor, Hot Springs, Ark., having plans prepared canning plant, here. $45,000. Private plans.

Tex., Pampa—CARBON BLACK PLANT —General Atlas Chemical Co., plans carbon black plant, near here. $250,000. Private plans.

Tex., Pyote—ICE and STORAGE PLANT —H. M. Price, c/o Arctic Ice Co., soon takes bids ice and storage plant. $60,000.

Tex., San Antonio—WAREHOUSE—Scobey Fireproof Storage Co., c/o F. E. Scobey, 311 North Medina St., plans 6 story and basement, rein.-con., brick and hollow tile, 100,000 sq.ft. floor space, North Medina St. and Missouri Pacific Ry. tracks. $300,000. Engineer and architect selected soon.

Tex., San Benito—CANNING and PACKING PLANT—Texas Citrus Fruit Growers Exch., c/o J. Shary, Brownsville and San Benito, plans combination canning and packing plant, here. $75,000. $200,000. Private plans.

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Tex., Tyler — BRICK PLANT — Tyler Brick Co. having plans prepared plant addition. $40,000. Private plans.

Okla., Pauls Valley—CANNING PLANT —W. F. Akin Canning Co., c/o B. C. Eastin, Pauls Valley, plans vegetable canning plant. $40,000.

Okla., Woodward—LIGHT PLANT—City made preliminary plans 1,000 hp. Diesel engine addition, to light plant. $100,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Wash., Wenatchee—LOCOMOTIVE REPAIR SHOP—Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., plans locomotive repair shop, here. $150,000.

Calif., Eureka — BAKING PLANT — Roma Bakery, 603 California St., plans rebuilding probably 2 story, 60 x 80 ft., fireproof, 4th and Commercial Sts., recently destroyed by fire.

Calif., Los Angeles—LAUNDRY—Community Laundry, C. C. Craig, pres., had plans prepared by W. J. Saunders, 227 Laughlin Bldg., 2 and 3 story (ultimately 6 story), 145 x 235 ft., steel and rein.-con., Highland and Willoughby Aves. To exceed $100,000.

Calif., Sacramento — FACTORY — California Compressed Gas Co., 2305 East 52nd St., plans gas factory, initial capacity 1 m. cu.ft. per month (ultimately 2,500,000 cu.ft.), foot of E St. $100,000.

Calif., Westminister — AIRPLANE FACTORY—Zenith Aircraft Corp., Santa Ana, plans 1 story, 60 x 115 ft. airplane factory.

Que., Gatineau—MILL—Canadian International Paper Co., 355 Beaver Hall Sq., Montreal, soon takes bids large mill addition, here. $600,000.

Bids Desired

Mass., Waltham (Ind. br. Boston) — GARAGE, SHOWROOM and REPAIR SHOP—Owner, c/o W. H. Haines, archt., 32 Riverview Ave., taking bids 1 story and basement, 60 x 100 ft., brick and stone, plain foundation, Main St. $50,000.

Mass., Worcester—FACTORY—See "Contracts Awarded."

N. J., Carteret—SAW MILL, etc.—F. L. Smith, engr., 21 East 40th St., New York City, taking bids general contract 2 story, 70 x 100 ft. saw mill, and 1 story, 20 x 100 ft. fuel house, both brick and steel, here, for I. T. Williams & Son, Woodbridge Ave. $60,000.

N. J., Rahway—FACTORY—See "Contracts Awarded."

Mich., Battle Creek—FACTORY—Sanitarium Hospital Equipment Co. taking bids 2 story and basement, 80 x 150 ft., brick and steel addition, plain foundation, Washington Ave. $125,000. M. J. Morehouse, 343 South Dearborn St., Chicago, Ill., archt.

Mich., Detroit — CANDY FACTORY — Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., taking bids 4 story and basement, rein.-con., brick and steel, plain foundation, Duboise St., for Detroit Candy Co., 1528 Gratiot Ave. $150,000.

Ill., Chicago—LUMBER WAREHOUSE —A. Epstein, archt., 2000 West Pershing Rd., taking bids 1 and 2 story, brick and timber lumber warehouse, for Pershing Road Warehouse Co., c/o architect. $100,000.

Tex., Ozona — ICE PLANT — See "Contracts Awarded."

Calif., Los Angeles—LAUNDRY—W. J. Saunders, archt., Laughlin Bldg., taking bids 2 and 3 story (ultimately 6 story), 145 x 235 ft., steel and rein.-con., Highland Ave., for Community Laundry, c/o architect.

Calif., Inglewood — SUB-STATION—Los Angeles Ry. Co., Railway Bldg., Los Angeles, taking bids 1 story, 40 x 54 ft., steel and rein.-con., North Prairie Ave., here. Eng. Dept. of Owners, engrs.

Ont., LaSalle—BREWERY—Oct. 7, by Hofer Brewing Co., Royal Bank Bldg., Windsor, 2 story, 80 x 100 ft., brick and steel, Front St., here. $60,000. Nichols, Sheppard & Masson, Equity Chambers, Windsor, archts.

Ont., Ottawa—GARAGE—See "Contracts Awarded."

Contracts Awarded

Mass., Dorchester (br. Boston) — BAKERY—Continental Baking Co., 65 East Cottage St., 3 story and basement, 35 x 85 ft., rein.-con. and brick addition, plain foundation, to F. L. Fox, 101 Milk St., Boston.

Mass., Roxbury (br. Boston)—GARAGE and REPAIR SHOP—S. Rudnick, 68 Devonshire St., Boston, 1 story, 55¼ x 185 x 280 ft., rein.-con. and brick, plain foundation, 1322 Tremont St., to R. J. Gauvreau Co., 11 Beacon St., Boston. Archts. est. $75,000-$100,000. Noted Aug. 25.

Mass., South Boston (sta. Boston) — GARAGE and REPAIR SHOP — R. S. Brine, Transportation Co., 43 India St., Boston, 1 story, 70 x 120 ft., rein.-con. and brick, caisson foundation, 194 West 1st St., to H. M. Johnson, 571 East 1st St. To exceed $40,000. Noted July 21.

Mass., Watertown (Ind. br. Boston)—FACTORY—Lewis, Shepard & Co., 124 Walnut St., 1 story, 65 x 160 ft., rein.-con. brick and steel addition, plain foundation, to Somers & Drisco, Park Sq. Bldg., Boston.

Mass., Worcester — FACTORY — Norton Co., New Bond St., will build 1 story, 80 x 130 ft., brick and steel furnace building, New Bond St. $40,000 or more. Work will be done by separate contracts. Private plans.

Conn., Norwalk—GARAGE—R. Frost, 50 West Ave., 2 story, brick and steel showroom, service and auto repair station, Park St. and West Ave., to E. E. Bray Co., 62 Cannon St., Bridgeport. Archts. est. $40,000.

N. Y., Rensselaer—CHEMICAL FACTORY—Grasselli Chemical Co., Riverside Ave., foundation for factory to J. Dyer, Jr., 17 Steuben St., Albany; and steel, to McClintic Marshall Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $125,000.

N. J., Kearny (Sta. Arlington)—PLANT —Western Electric Co., Inc., Lincoln Highway, general contract 1 story, 100 x 350 ft., telephone cable and switchboard plant, brick and steel, to Henry Steers, Inc., Tube Concourse Bldg., Jersey City. Archts. est. $200,000.

N. J., Linden—FACTORIES—Grasselli Dye Stuffs Corp., Grasselli, general contract three 1 story, rein.-con., brick and steel, concrete pile foundations, here, to M. Byrnes Building Co., 430 Westfield Ave., Elizabeth. Archts. est. $150,000.

N. J., Paterson—REPAIR SHOP and GARAGE—J. A. McCrane Motors Co., 638 Market St., general contract 1 story, 100 x 300 ft., brick and steel, plain foundation, Market and East 36th St., here, to J. Dunn, 550 East 34th St. Archts. est. $150,000. Noted Sept. 1.

N. J., Rahway—FACTORY—Guarantee Realty & Security Co., Linden, will build 1 story, brick and steel, plain foundation, 106 Elizabeth Ave. $40,000. Work will be done by separate contracts. D. Valvano, 88 Broad St., Elizabeth, archt.

Pa., Oil City — GARAGE — Re-Mac Garage Co., general contract 1 story, 80 x 180 ft., brick and steel, Seneca St., to Rust Eng. Co., 311 Ross St., Pittsburgh. Archts. est. $40,000.

Pa., Pittsburgh—BRASS PLANT—Chaplin Fulton Mfg. Co., 36 Penn Ave., general contract 3 story and basement, approximately 60 x 100 ft., brick, steel and concrete addition, to Taylor Meyer Co., Keystone Bldg. Archts. est. $40,000.

Md., Baltimore—DAIRY—McCormick & Co., archts., 121 South Negley Ave., Pittsburgh, Pa., 3 story, 79 x 185 ft., rein.-con., brick and steel addition, Exeter and Colvin Sts., here, to C. L. Stockhausen Co., Gay and Water Sts., for Fairfield Farm Dairy, Inc., Exetor and Colvin Sts. $250,000. Noted Sept. 22.

Miss., Jackson—GARAGE and SERVICE —Robinson Bros. Motor Co., East Capitol St., will build 2 story, 85 x 145 ft., rein.-con., Amite and McQuade Sts., by day labor. $40,000. E. G. Hull, 212 Merchants Bank Bldg., archt. Noted Sept. 8.

Tenn., Memphis—WAREHOUSE—Jones & Laughlin Steel Co., 1 story, 100 x 400 ft., rein.-con. and steel, to Estes-Williams Constr. Co., Derman Bldg. $150,000.

O., Cleveland—FACTORY—Kaffee Hag Co., G. Gund, pres., 1478 Davenport Ave., 3 story and basement, 100 x 100 ft., brick and rein.-con., 1476 Davenport Ave., to J. Gill & Son, Bulkley Bldg. Archts. est. $125,000. Noted Sept. 29.

O., Cleveland—FACTORY and WAREHOUSE—Atlas Car & Mfg. Co., C. S. Harbaugh, secy.-treas., 1100 Ivanhoe Rd., 2 story and basement, 60 x 120 ft., brick and steel, 1100 Ivanhoe Rd., to Industrial Constr. Co., 308 Euclid Ave. Archts. est. $40,000.

O., Cleveland—FACTORL, etc.—Haberman Provision Co., c/o A. Haberman, secy., 2302 Bway., 60 x 180 ft. factory, and 61 x 180 ft. office building, brick and concrete, West 65th St., to Boldt-Rapp Co., 5511 Euclid Ave. Archts. $125,000. Noted Sept. 29.

O., Columbus — FACTORY — Fairmont Creamery Co., 12th and Jones Sts., general contract 4 story and basement, 130 x 187 ft., rein.-con., incl. loading platform, 2,000 sq.ft. space, 212 West Spring St., to E. Elford & Son, 555 Park St., $65,000.

O., Crooksville—FACTORY—Watt Pottery Co., 2 story, 42 x 127 ft., brick, tile and concrete, China St., to Bonifant & Karr, approximately $28,000.

Buildings—Industrial (Continued)

Ill., Chicago—PLANT—E. L. Mansure & Co., 1601 Indiana Ave., plant for manufacturing draperies, to Wells Bros. Constr. Co., 53 West Jackson Blvd.

Ill., Chicago — STORAGE and EXTENSIONS — Wisconsin Steel Wks., 2701 East 106th St., to A. Kerrison, 8027 Muskogen Ave., masonry contract brick storage, 2701-03 East 106th St. $70,000, extension, 2615-25 East 110th St. $40,000, and 1 story, 143 x 168 ft. brick extension, 2744-68 East 110th Pl. $200,000. Grand total $310,000.

Ill., Chicago—FACTORY—Regan Constr. Co., 228 South La Salle St., masonry contract 2 story, 125 x 200 ft., brick, 1736-56 Springfield Ave., to W. Thompson, 1752 North Keeler Ave. Archts. est. $45,000.

Mo., St. Louis—SIGN FACTORY—Grace Sign & Mfg. Co., 3601 South 2nd St., 1 story, 75 x 260 ft., rein.-con. and steel addition, 2nd and President Sts., to William H. & Nelson Cunliff Co., 410 North Euclid Ave.

Tex., Ozona—ICE PLANT—West Texas Utilities Co., Abilene, will build 1 story, 40 x 90 ft., rein.-con., stucco, hollow tile, and stone, concrete pile and plain foundation, here, by day labor. $40,000. Private plans.

Calif., Salinas — COLD STORAGE and ICE PLANT—Salinas Ice & Cold Storage Co., general contract 1 story cold storage and ice plant, to La Faver Eng. Co., 545 2nd St., San Francisco.

Ont., Ottawa—GARAGE—Beach Motors Ltd., Bank St., will build 2 story and basement, rein.-con., brick and steel, concrete foundation, Bank St., by day labor. $50,000.

Ont., St. Catharines—SOAP FACTORY—Scholler Bros., 80 x 169 ft., 30 ft. high, soap factory, brick, Queenston St., to T. F. Jones, 167 Church St. Archts. est. $40,000.

Buildings—Educational, Religious

Proposed Work

Mass., Clinton — CHURCH — St. Mary's Parish, J. Osgajca, pastor, having preliminary plans prepared by J. W. Donahue, 1242 Main St., Springfield, 1 story and basement, brick and stone church. $150,000. Noted Sept. 22.

Mass., Waltham (Ind. br. Boston)—COLLEGE—Middlesex College of Medicine & Surgery, H. S. Card, pres., 85 Otis St., Cambridge, plans group buildings, incl. science and lecture buildings, dormitories, gymnasium and athletic field, South St., here. To exceed $150,000. Engineer and architect not selected.

N. Y., New York—CHURCH and HOTEL—Tillion & Tillion, archts., 415 Lexington Ave., soon lets contract (selected list of bidders), 25 story and basement, 79 x 130 ft., rein.-con., brick and steel, plain concrete foundation, Bway. and 76th St., for Twenty-One Sixty-Six Bway. Corp. $2,000,000. Manhattan Congregational Church, lessee. Noted June 30.

N. Y., Nyack—SCHOOL—Bd. Educ., City Hall, soon takes bids 2 story and basement, 150 x 250 ft., brick and steel, plain and concrete pile foundation, Midland and 5th Aves. $600,000. E. Sibley, Bluff Rd., Palisade, N. J., archt. Noted Aug. 25.

N. J., Moorestown—CHURCH and RECTORY — Trinity Protestant Episcopal Church soon lets contract church and rectory. $150,000. Karcher & Smith, 1520 Locust St., Phila., Pa., archts. Noted Mar. 3.

N. J., Union — HIGH SCHOOL — Bd. Educ., Town Hall, having sketches made by F. Elsasser, 845 Broad St., Elizabeth, 2 or 3 story and basement, brick and steel addition, Vauxhall Rd. $150,000.

N. J., Union — SCHOOL — Bd. Educ., Town Hall, plans 2 story and basement, brick and steel, plain foundation, Oakland Ave. $150,000. F. A. Elsasser, 845 Broad St., Newark, archt.

Pa., Cambridge Springs — COLLEGE — Polish Natl. Alliance College having plans prepared by Narcyz Kostrazanoski, 12110 Outer Blvd., Detroit, Mich., 4 story and basement, brick and steel college. $220,000.

Pa., Coudersport — CONSISTORY CATHEDRAL — Coudersport Consistory, J. G. Convey, secy., having plans prepared by E. A. Phillips, 238 Penna Ave., Warren, probably brick and steel consistory Cathedral. $200,000.

Pa., Irwin—CHURCH—Methodist Episcopal Congregation having plans prepared by Bd. Architects Home Missions, Methodist Episcopal Church Bldg., 1701 Arch St., Phila., probably stone, Walnut St. $200,000.

Pa., Phila.—RECREATION, etc.—E. A. Schoeppe, archt., 1437 Spruce St., preparing plans 2 story, 90 x 280 ft., timber recreation building, incl. 45,000 sq.ft. rein.-con. swimming pool, Roosevelt Blvd. and Cottman St. Owner's name withheld.

D. C., Wash. — SCHOOLS — District Comrs., District Bldg., having sketches made addition to Brightwood Junior High, and Morgan Schools, latter on Champlain St. and Florida Ave., N. W.; also having plans prepared Washington School, Kalania Rd. near 16th St., $457,000.

O., Cleveland—TECHNICAL SCHOOL—Y. M. C. A., c/o R. Lewis, secy., East 22nd St. and Prospect Ave., having plans prepared by Hubbell & Benes Co., 4500 Euclid Ave., 4 story, 50 x 120 ft., brick, steel and concrete, East 22nd St. and Prospect Ave. $200,000.

Ind., Bloomington — FIELD HOUSE — Indiana University having plans prepared by R. F. Daggett, 922 Continental Bank Bldg., Indianapolis, 1 story, 200 x 300 ft., rein.-con., brick, steel and stone indoor field house, $300,000.

Ind., Ft. Wayne — SCHOOLS — School Comrs. having preliminary plans prepared Franklin School. $150,000, Washington School $140,000, Administration Building $65,000, Harrison Building $80,000, Lafayette School $140,000, etc. Engineer and architect not selected.

Illinois — SCHOOL — Bd. Educ., Park Ridge and Des Plaines, having sketches made by J. H. Chubb, archt., 109 North Dearborn St., Chicago, and Zook & Mccaughey, 222 West Adams St., Chicago, associated archts., 3 story building, incl. 40 x 80 ft. library with balcony, 80 x 100 ft. gymnasium, 25 x 75 ft. swimming pool, 1,000 seating capacity auditorium, also class rooms, etc. on 400 x 600 ft. site, Demster St., Potter and Des Plaines Rds., between Park Ridge and Des Plaines. $500,000.

Mo., St. Louis—ORPHANAGE—Jewish Orphans Home, 3117 Lafayette Ave., having plans prepared by W. Levy, 500 Dolph Bldg., and takes bids about Oct. 15, 3 story and basement, rein.-con., brick and stone, incl. administration building, assembly hall and 3 residences, etc., Oakland Ave. $250,000.

Tex., Panhandle—HIGH SCHOOL—Bd. Educ., c/o C. P. McCullough, having plans prepared by Butler Co., c/o Wilson Bldg., Lubbock, 2 story, rein.-con. and brick, plain foundation. $150,000.

Tex., San Antonio—ACADEMY—Society of Mary, J. C. Ei, pastor, c/o St. Marys Academy, College St., plans probably 4 story, fireproof building, on block bounded by Huisache, Ripley, Mulberry and North Flores Sts. $400,000. Private plans.

Tex., Stinnett—SCHOOL—Bd. Educ., A. T. Miles, pres., having plans prepared by Butler Co., Wilson Bldg., Lubbock, 2 story, rein.-con. brick, plain foundation. $200,000. Noted Aug. 25.

Okla., Okewah — CHURCH — Methodist Episcopal Church having preliminary plans prepared 2 story and basement, rein.-con. and brick, plain foundation, 6th St. $175,000. Engineer and architect not selected.

Okla., Woodward — CHURCH — Presbyterian Church having preliminary plans prepared rein.-con. and brick church, 7th St. $150,000. Engineer and architect not selected.

Wash., Seattle—PHYSICAL—University of Washington having plans prepared by J. Graham, Dexter Bldg., physical building. $465,000.

Wash., Seattle—CHURCH—Sacred Heart Catholic Church, 2315 6th St., plans expending $500,000 constructing church, 2 story school and residence, foot of Queen Anne Hill.

Calif., Glendale—HIGH SCHOOL—Glendale Union High School Dist. having plans prepared by A. F. Priest, Fay Bldg., Los Angeles, rein.-con. and steel high school. $1,000,000. Noted July 14.

Calif., Lawndale (mail Kenwood)—HIGH SCHOOL—Inglewood Bd. Educ. plans high school, here. Approximately $250,000 bond election soon for same.

Calif., Los Angeles — CHURCH — University Methodist Episcopal Church, 1016 West Jefferson St., plans probably rein.-con. church, 36th St. $200,000. Engineer and architect not selected.

Calif., Monterey—CHURCH—Church of San Carlos Borromeo (Catholic) plans rein.-con. church. $150,000.

Calif., Mountain View—SCHOOL—Mountain View Union High School Dist. rescinded contract 2 story, rein.-con. school. Will readvertise. Noted Sept. 1.

Calif., Oakland—SCHOOL—Bd. Educ. soon takes bids concrete and brick veneer annex, East 17th St., for Oakland School Dist. $150,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted June 9.

Calif., Stockton—CHURCH—East Side Presbyterian Church having sketches made by Davis-Pearce Co., Inc., Grant and Weber Sts., 2 story, rein.-con. and brick, Miner and Sierra Nevada Aves. $150,000.

Bids Desired

Vt., Rutland—HIGH SCHOOL—Oct. 13, by City, A. W. Perkins, mayor, City Hall, 3 story and basement, 200 x 215 ft., brick and stone, plain foundation, Church St. $300,000. A. G. Creighton, 140 State St., New London, Conn., archt. R. D. Kimball Co., 6 Beacon St., Boston, Mass., engrs. Noted July 21

Conn., Hartford—TEMPLE—Oct. 8, by Congregation Beth Israel, I. Wise, chn., 3 story, 125 x 125 ft., brick, limestone and steel, Farmington Ave. $250,000. Noted Sept. 29.

N. Y., Brooklyn—SCHOOL—Oct. 19, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., general contract P. S. 222, Quentin Rd. between East 33rd and 34th Sts., for Bd. Educ., 500 Park Ave., New York City.

N. J., Princeton—HIGH SCHOOL—Bd. Educ., City Hall, taking bids 2 story and basement, brick and steel, plain foundation, North Moore St. $750,000. E. Sibley, Bluff Rd., Palisade, archt.

N. J., Trenton — HIGH SCHOOL — Bd. Educ., City Hall, taking bids general contract Central Senior High School, 2 story and basement, brick and steel, plain foundation, Chamber St. and Hamilton Ave. $3,000,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Aug. 18.

N. J., Trenton—SCHOOL—Oct. 11, by Hamilton Twp. School Bd., 2 story, 12 room, brick and steel addition to Kuser School, Newkirk Ave., here. $160,000. W. A. Klemann, 1st Natl. Bank, archt.

Pa., Valley View—HIGH SCHOOL—Oct. 7, by School Bd., c/o R. A. Bassler, Higgins Twp. High School, 2 story and basement, 50 x 190 ft. and 127 x 230 ft., rein.-con. and brick, plain foundation, Higgins Twp. Ritchie & Eiler, 147 North 5th St., Reading, archts.

W. Va., West Liberty—ADMINISTRATION—Oct. 10, by West Liberty State Normal School, 3 story, 63 x 113 ft., concrete, brick and steel administration building. F. Faris, 1117 Chapline St., Wheeling, engr.

O., Cleveland Heights (Warrensville P. O.)—SCHOOL—Oct. 17, by Bd. Educ., W. G. Nesbit, dir., 14387 Superior Rd., 2 story and basement, 76 x 240 ft., brick, steel and concrete, Oxford Rd. $300,000. J. H. Graham & Co., 1612 Euclid Ave., Cleveland, archts.

Ind., Indianapolis — NURSES HOME — Oct. 15, by Methodist Hospital, 7 story and basement, 300 room, rein.-con., brick and steel, 18th St. and Capitol Ave. $500,000. D. A. Bohlen & Son, 1001 Majestic St., archts. Noted Apr. 28.

Ind., Muncie—DEMONSTRATION—Oct. 11, by State Normal School, rein.-con., brick and steel demonstration building. $275,000. Snyder & Babbitt, 1212 Hayden Bldg., Columbus, O., archts.

Ill., Chicago—HIGH SCHOOL—Oct. 13, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., Kelly Junior High School, rein.-con., stone, steel and terra cotta, West 42nd St. and California Ave. J. C. Christensen, 650 South Clark St., archt.

Calif., Mountain View — SCHOOL — Trustees Mt. View Grammar School Dist., taking bids 2 story, rein.-con. school. $150,000 or more. Coffey, Gottschalk & Rist, Phelan Bldg., San Francisco, archts.

Calif., Redlands — GYMNASIUM — University of Redlands taking bids 1 story, 190 x 225 ft., rein.-con. and steel, incl. 40 x 100 ft. swimming pool, kitchenette, etc. $200,000. N. F. Marsh & Co., Bway. Central Bldg., Los Angeles, archts.

Calif., Stockton — HIGH SCHOOL — Trustees Calaveras Union High School Dist., taking bids part 1 and 2 story, rein.-con. high school. $150,000. Mayo, Bissell & Co., 21 South San Joaquin St., archts. Noted Apr. 7.

Contracts Awarded

Conn., Hartford — SYNAGOGUE — Agudus Achim Congregation, B. Eachtel, 2 story and basement, 68 x 100 ft., rein.-con., brick and stone, plain foundation, Oakland Terrace and Greenfield St., to M. Juster, 437 Main St. Archts. est. $150,000. Noted Aug. 25.

Conn., Wethersfield — HIGH SCHOOL — School Bd., Town Hall, 2 story and basement, 120 x 130 ft., brick and stone, Church

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Buildings—Educational, Religious (Cont.)

St., to Richard Johnson Co., 50 Trumbull St., Hartford. Archts. est. $185,000.

N. Y., Brooklyn—HIGH SCHOOL—McKenna & Irving, archts., 15 Park Row, New York City, brick and stone addition, here, to John Kennedy Co., Mosholu Ave. and Bway., New York City, for Brooklyn College, 1125 Carroll St. Noted Sept. 15.

N. Y., New York—LIBRARY—Bd. Trustees College of City of New York, Convent Ave. and 139th St., brick, steel and stone, 140th St. and Convent Ave., to Eastern Eng. Co., 26 Court St., Brooklyn. Archts. est. $250,000. Noted Jan. 6.

N. Y., New York—CHURCH and RECTORY—R. J. Reilly, archt., 12 East 41st St., 2 story, 100 x 125 ft. church, and 3 story 35 x 60 ft. rectory, 187th St. and Wadsworth Ave., to Sobray-Whitcomb Co., 105 West 40th St., for St. Elizabeth Roman Catholic Church, 187th St. and Wadsworth Ave. Archts. est. $525,000. Noted Sept. 15.

Md., Baltimore—NURSES HOME—Smith & May, archts., Calvert Bldg., 7 story, irregular shaped, brick, steel and stone, plain foundatio , West Lombard St., to Cogswell-Koether Co., 406 Park Ave., for University of Maryland. $150,000.

D. C., Wash.—HIGH SCHOOL—District Comrs., District Bldg., for Garnett-Patterson School, 10th and U Sts. N.W. to C. H. Tompkins, 1612 Park Rd. N.W., $527,000. Noted Aug. 11.

Fla., Tampa — HIGH SCHOOL — Hillsborough Co. Bd. Pub. Instruction general contract. East Side Senior High School, rein.-con., terra cotta and brick, to J. L. Crouse, Greensboro, N. C., $757,000.

Miss., Blue Mountain—DORMITORY and OFFICE—Blue Mountain College, L. T. Lowery, pres., 3 story and basement, 55 x 144 ft. dormitory, and 3 story administration building, both rein.-con., brick and steel, plain foundations, to Chastang Constr. Co., Amory, $191,000.

Ind., Lafayette — DORMITORY—Purdue University, general contract Franklin Levering Gary Memorial Hall, 3 story and basement, 42 x 270 ft., rein.-con., brick, steel and stone, to A. E. Kemmer, Lafayette, $178,140. Noted Sept. 22.

Ind., Muncie—HIGH SCHOOL—School Comrs., general contract Wilson Junior High School, 3 story and basement, 96 x 175 ft., rein.-con., brick and steel, to A. Ainsworth, 641 Ohio St., Terre Haute; heating and plumbing, to E. L. Clevenger, Muncie. Archts. est. $172,000. Noted May 19.

Ill., Chicago—SCHOOL—Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., for Spalding School, 2 story, winged shaped building, Washington and Ashland Sts., to H. A. Hanson Constr. Co., 608 South Dearborn St. $1,029,677. Noted Sept. 15.

Ill., Chicago—SCHOOL—Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., general contract Hookaway School, 3 story, 82 x 240 ft., concrete and stone. 81st and Federal Sts., to Hanson Bros. Co., 127 North Dearborn St. $270,635. Noted Aug. 18.

Minn., Mankato — HIGH SCHOOL — Bd. Educ., E. F. Searing, clk., general contract 2 story and basement, 160 x 200 ft., rein.-con., brick and stone, to E. Carlstrom, Mankato, $216,700. Noted Sept. 8.

Kan., Rosedale (Ind. sta. Kansas City)—NURSES' HOME and WARD — Kansas University School of Medicine, c/o Bd. Administration, State House, Topeka, general contract 1 and 5 story, 46 x 85 ft. nurses home, and 5 story and basement 42 x 94 ft. and 29 x 84 ft. ward building, brick, concrete, steel and stone, here, to Sharp Bros. Constr. Co., 604 Orear-Leslie Bldg., Kansas City, Mo., $84,282 and $131,863 respectively; heating and plumbing, to Reed Co., 3135 Karnes Blvd., Kansas City, Mo., approximately $46,000.

Tex., Lubbock — ENGINEERING—Technological College, c/o E. W. Provence, bus. mgr., general contract 2 story and basement, 146 x 278 ft., rein.-con., brick, steel and stone, to Sampson Constr. Co., Lubbock, $194,125. Noted Aug. 25.

Okla., Chickasha—DORMITORY—State Bd. of Affairs, Capitol, Oklahoma City, 3 story and basement, rein.-con. and brick, plain foundation, on campus Oklahoma College for Women, here, to Kreipke Constr. Co., 506 Herskowitz Bldg., Oklahoma City, $225,219. Noted Aug. 25.

Okla., Oklahoma City — MEDICAL SCHOOL—Bd. Regents, 3 story and basement, rein.-con. and brick, plain foundation, East 13th St., to Reinhart & Donovan, Trades Natl. Bank Bldg., $224,900. Noted Sept. 1.

Okla., Sulphur—SCHOOL—Bd. of Affairs, Capitol, Oklahoma City, 2 story and basement, 90 x 116 ft., rein.-con. and brick, plain foundation, for State School of Deaf, on campus, here, to G. C. Frier, Sulphur, $105,114. Noted Sept. 8.

Calif., Los Angeles — UNIVERSITY — University of California, 3 story and part 2 story and basement, 280 x 300 ft., rein.-con., Norman tapestry brick, and steel library, auditorium and classroom building, Westward Companies, to J. C. Bannister, 6331 Hollywood Blvd., and F. Gow, 4350 Clarissa St., $1,494,816. Noted Sept. 15.

Calif., Oakland—MUSIC HALL—Mills College, 2 story and basement, concrete, on campus, to Leiter & Son, Call Bldg., San Francisco, approximately $250,000.

Que., Montreal — SCHOOL — Roman Catholic School Comn., 24 room, brick, steel and stone, Monk Blvd., to Alphonse Gratton Ltd., 511 Ste. Catherine St. W., $174,990.

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Federal Government Work

Proposed Work

Wash., Puget Sound — Motor Generator Sets—Spec. 5447—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans motor generator sets at Navy Yard, here.

Porto Rico, San Juan—Quarters—Spec. 5448—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 1 story double quarters at Naval Radio Station, here.

Bids Desired

N. H., Portsmouth—Elevator—Oct. 21, by Treas. Dept., at Office Supervising Archt., Wash., D. C., 1 passenger elevator in present hoistway U. S. Post Office and Custom House, here.

Mass., Camp Devens—Barracks—Oct. 20, by Constructing Quartermaster, constructing Battalion Barrack, 1 regimental headquarters, etc.; adv. E. N.-R. Oct. 6.

Miss., Corinth—Heating System—Oct. 14, by Constructing Quartermaster, hot water heating system in superintendent's lodge, at Natl. Cemetery, here.

Tenn., Memphis—Heating System—Oct. 14, by Constructing Quartermaster, hot water heating system in superintendent's lodge, at Natl. Cemetery, here.

O., Camp Perry (br. Port Clinton)—Wash Houses—Oct. 14, by U. S. Property & Disbursing Officer for Ohio, Columbus, 3 battalion wash houses, here.

Mo., St. Louis—Earthwork—Oct. 11, at office District Engineer Northern Mississippi River Comn. Dist., Customhouse, 35,000 cu.yd. earthwork in Levee Dist. 3, Perry Co., and 20,000 cu.yd. in Ste. Genevieve Levee Dist. 1; adv. E. N.-R. Oct. 6.

Mo., Springfield—Heating System—Oct. 14, by U. S. Property & Disbursing Officer, St. Louis, hot water heating system, in superintendent's lodge, Natl. Cemetery, here.

Ark., Fayetteville—Heating System—Oct. 14, by Constructing Quartermaster, hot water heating system in superintendent's lodge, Natl. Cemetery, here.

Calif., Oakland—Dredging—Oct. 20, by U. S. Engineer Office, San Francisco, dredging 400,000 cu.yd. Oakland Harbor, here.

T. H., Pearl Harbor — Refrigeration Plant Spec. 5482—Nov. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating plant, at Naval Operating Base (Submarine Base), here. Noted Sept. 15.

Bids Received

N. Y., New York—Piping—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 29, brass water supply system, at U. S. Custom House, here, from C. J. Gleason, 172 Walton Way, Augusta, Ga., $22,650. Noted Sept. 15.

Pa., Pittsburgh—Dam—U. S. Engineer Office, Sept. 30, constructing Dam 6, Allegheny River, here, from Dravo Contg. Co., Neville Island, $558,316. Engrs. est. $750,000. Noted Sept. 8.

Fla., Pensacola—Concrete Fire Wall—Spec. 5456—Bureau Yards & Docks, Navy Dept., Wash., D. C., Sept. 28, concrete fire wall at Naval Air Station, here, from A. D. Rieger & Co., Box 1836, Sarasota, $8,332. Noted Aug. 25.

Ala., Dothan—Screen—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 23, changes in U. S. Post Office screen, here, from Smythe & Co., Wash., D. C., $3,329. Noted Sept. 8.

Ind., Newcastle—Sewer—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 27, new sewer, from J. Garvey, Newcastle, $3,216. Noted Sept. 22.

Wis., Camp Douglas—Bathhouses, etc.—U. S. Property & Disbursing Officers, Sept. 21, constructing 3 officers bathhouses, 1 combined kitchen and mess hall, tent floors, etc., from Roth Bros., 1402 West Adams St., Chicago, Ill., $8,910.

N. D., Jamestown—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 29, U. S. Post Office, here, from E. Rokahr & Sons, 914-15 Terminal St., Lincoln, Neb., $154,799. Noted Sept. 22.

Colo., Denver — Emergency Gates — Bureau Reclamation, Sept. 20, two 3½ x 3½ ft. emergency gates, from Llewellyn Iron Wks., 1200 North Main St., Los Angeles, Calif., $8,420; and 50 in. outlet pipe, from King Bros., $3,230. Noted Aug. 1.

California — Guard Rail and Paving — Natl. Park Serv., Dept. of Interior, 907 Sheldon Bldg., 481 Market St., San Francisco, Sept. 20, masonry rail and stone ditch paving, Yosemite Natl. Park Highway System, Mariposa Co., from City Improvement Co., 955 South Alameda St., Los Angeles, $46,975. Noted Sept. 15.

Calif., Los Angeles—Dredging—U. S. Engineer Office, 725 Central Bldg., Sept. 21, dredging 2,070,000 cu.yd. Los Angeles Harbor, etc., from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, at $0.55 per cu.yd., total $1,238,500. Noted Sept. 1.

Calif., San Diego—Quarters—Spec. 5322—Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing sick officers quarters and gate house at Naval Operating Base, here, from Los Angeles Contg. Co., 4816 West Pico St., Los Angeles, $153,000. Noted Sept. 1.

Contracts Awarded

Vt., Burlington—Roof Repairs—Treas. Dept., at office Supervising Archt., Wash., D. C., roof repairs at U. S. Post Office, here, to E. Van Noorden Co., 100 Magazine St., Boston, Mass., $8,488. Noted Sept. 29.

Mass., Marlboro — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here, to J. Miles & Son Co., Worcester, $5,337. Noted Sept. 22.

Mass., Rutland—Roads and Walks—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., roads and walks at U. S. Veterans Hospital, here, to Guaranty Constr. Co., 33 Front St., Shirley, $9,760. Noted Sept. 8.

N. Y., Buffalo—Interior Changes—Treas. Dept., at office Supervising Archt., Wash., D. C., interior changes at U. S. Marine Hospital, here, to W. A. Walker, 24 Vernon Pl., $13,970. Noted Sept. 29.

D. C., Wash.—Additional Stories—Treas. Dept., at office Supervising Archt., Wash., D. C., additional stories to U. S. Liberty Loan Building, here, to Skinker & Garrett, 1416 F St. N. W., $183,597. Noted Sept. 29.

Va., Yorktown — Magazine Buildings — Spec. 5476—Bureau Yards & Docks, Navy Dept., Wash., constructing magazine buildings, to Hugger Bros. Constr. Co., 702 Shepherd Bldg., Montgomery, Ala., Items 1 and 4a $229,875. Noted Sept. 15.

Louisiana — Levee — Mississippi River Comn., 4th Dist., levee work in Lower Tensas, Pontchartrain, Lake Borgne, Atchafalaya and Red River Levees, Atchafalaya and Bayou Boeuf Dists., to Dameron & Kenyon, Port Allen $161,234, to D. R. Hearon & Son, 306 New Reymond Bldg., Baton Rouge $41,831, and to Lower Coast Constr. Co., Ltd., Godchaux Bldg., New Orleans $45,671. Grand total $248,736. Noted Sept. 8.

Tenn., Chattanooga—Core Borings—U. S. Engineers Office, diamond core borings on Tennessee River between Aurora Landing, Ky., and lower Coulter Shoal, Tenn., to Standard Drilling Co., 420 Lexington Ave., New York City, $13,420.

Ky., Louisville—Hoist—U. S. Engineer Office, floating frame hoist, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa. $29,800. Noted Aug. 25.

Wis., Milwaukee—Barges—U. S. Engineer Office, constructing 2 steel barges for Fox River, to Manitowoc Ship Building Corp., Manitowoc $20,140. Noted Aug. 18.

Unclassified

Proposed Work

Shelter House—Cambridge (br. Boston), **Mass.**—City, J. F. Terry, Building Dept., Comn., City Hall, having revised plans prepared 1 story, concrete shelter house.

Unclassified (Continued)

Rindge Field. $25,000. Former bids rejected. E. T. P. Graham, 171 Newbury St., Boston, archt.

Underpass — Jackson, Miss. — Plans underpass, on Cohea St. $36,000.

Pedestrian Tunnels—Highland Park (br. Detroit), **Mich.**—City plans 14 rein.-con. pedestrian box tunnels under main thoroughfares near schools. $150,000. L. C. Whitsit, city engr.

Terminal and Switch Track—St. Louis, Mo.—See "Buildings-Commercial."

Natural Gas Pipe Line — Texas — Community Gas Co., Temple, made plans and surveys 6 or 8 in. natural gas pipe line from Temple to Belton. $35,000 (material and machinery). Private plans.

Gas System — Hereford, Tex. — West Texas Gas Co., Amarillo, plans gas system, here. $60,000. Private plans.

Townsite Development—Memphis, Tex.—I. M. Futch, et al, c/o Pound Hotel, plans developing townsite of "Weatherly" near here, incl. street improvements, $40,000, waterworks $30,000, and sewers $25,000. Private plans.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., made plans 33 mi. 6,300 volt transmission line from Weleetka power plant to Seminole oil fields. $75,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, made plans 30 mi. 6,300 volt transmission line from Drumright to Sapulpa. $60,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Lighting System—Cushing, Okla.—Voted $25,000 bonds, "White Way" electric lighting system. Noted July 7.

Lighting System—Okemah, Okla.—Made preliminary plans new 100 post "White Way" lighting system. $25,000. A. C. McCord, Okemah, engr.

Power Line—California—Turlock Irrigation Dist., Turlock, plans 14 mi. power line from Don Pedro to Merced Falls.

Lighting System—Fullerton, Calif.—F. C. Hezmalhalch, city clk., plans ornamental lighting system on North Richman Ave. from West Malvern and West Union Aves., etc. $25,000 or more.

Fire Alarm System—Huntington Park, Calif.—Plans election $75,000 bonds, fire alarm system.

Lighting System — Huntington Park, Calif.—Plans ornamental lighting system on Slauson Ave. and Pacific Blvd., etc. To exceed $25,000.

Golf Course, etc.—Millbrae, Calif.—S. E. Welfield, Flood Bldg., San Francisco, plans 18 hole golf course and club house, for Union League Golf & Country Club. $400,000.

Parking Pier — Oceanpark (Ind. sta. Santa Monica), **Calif.**—J. Paxton, archt., soon takes bids approximately 100,000 sq. ft., parking space for automobiles, foot of Kinney St., for Ocean Park Realty Co. $150,000. Owner furnishes piling and timber.

Lighting System — Pasadena, Calif. — Made plans ornamental lighting system on Colorado St., etc. $25,000 or more. W. C. Earle, city engr.

Lighting System—San Francisco, Calif.—Irving Street Merchants Assn., 2037 Irving St., plans ornamental lighting system, Irving St. business district. To exceed $25,000.

Swimming Pool — Thermalito, Calif.—Thermalito Farm Center plans 50 x 100 ft. concrete community swimming pool.

Bids Desired

Station—Cambridge (br. Boston), **Mass.**—Oct. 18, by Dept. Pub. Utilities, State House, Boston, altering stone, brick and steel surface structure station, at Harvard Sq., here. $25,000 or more. Private plans.

Park Improvements—Brooklyn, N. Y.—Oct. 11, by Park Bd., W. R. Herrick, pres., Arsenal Bldg., Central Park, New York City, improving Joseph A. Guider Park, Eastern Parkway, Washington and Classon Aves., here.

Mechanical Equipment—Brooklyn, N. Y.—Oct. 19, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., plumbing, heating, ventilating, etc. in P. S. 222, Quentin Rd., for Bd. Educ., 500 Park Ave., New York City.

Heating, Plumbing, etc.—Flushing, N. Y.—T. W. Lamb, archt., 644 8th Ave., New York City, taking bids heating, plumbing, wiring, etc., in theatre, Northern Blvd. and Farrington Sts., here, for B. F. Keith Theatres, 1564 Bway., New York City. Noted Aug. 25 under "Buildings—Commercial."

Mechanical Equipment — Long Island City, N. Y.—Bloomingdales Bros., Inc., 59th St. and Lexington Ave., New York City, taking bids and opens same about Nov. 30, mechanical equipment for warehouse (now under construction), Hunters Point Ave., here. $500,000. Abbott Murkt & Co., 175 5th Ave., New York City, archts.

Electric Switching Equipment — Phila., Pa. — Oct. 10, by Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., electrical switching and control equipment in Substations 4, 5 and 6; also in Broad Street Subway, Contr. 150. Former bids rejected.

Heating, Plumbing, etc.—Chicago, Ill.—Oct. 13, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., steam heating, plumbing, ventilating, heat regulation, coal and ash conveyor and electric work in Manley Jr. High School, Polk and Sacramento Sts., electrical work in Spalding School. J. C. Christensen, 650 South Clark St., archt.

Pipe Line — Texas — See "Contracts Awarded."

Land Development—San Antonio, Tex.—T. F. Ragsdale, Brady Bldg., taking bids 56 acre sub-division development on Fredericksburg Rd., incl. street paving $45,000, sewers $40,000, and waterworks $30,000. Private plans. Noted Aug. 11.

Pole Lines and Transformer Stations—Los Angeles, Calif.—Oct. 17, by Supervs. Los Angeles Co., pole lines and transformer stations at Los Angeles County Farm.

Subway—Martinez, Calif.—Oct. 17 by J. H. Wells, clk Contra Costa Co., subway, 10,125 lb. structural steel, 767 cu.yd. concrete, 39,890 lb. reinforcing, etc. $28,000 or more. R. R. Arnold, Martinez, co. surv.

Power Line—Modesto, Calif.—See "Contracts Awarded."

Contracts Awarded

Foundation—New Haven, Conn.—United Illuminating Co., 84 Temple St., foundation for 1 story, 185 x 200 ft. brick, steel and concrete power unit, incl. intake and discharge tunnels and sea walls, Grand Ave., to Foundation Co., 120 Liberty St., New York City, approximately $151,000.

Bridge Plazas—New York and New Jersey—Port of New York Authority, 75 West St., New York City, bridge plaza for Tottenville-Perth Amboy Bridge, at Tottenville, N. Y., to W. H. Gahagan, Inc., 187 Remsen St., Brooklyn, N. Y., $226,738, and at Perth Amboy, N. J., to T. J. M. Contg. Co., 120 South 2nd St., New Brunswick, N. J., $38,214; Howland Hook-Elizabeth Bridge, at Howland Hook, N. Y., to Frederick Snare Corp., 144 Liberty St., New York City, N. Y., $98,615, and at Elizabeth, N. J., to Triest Contg. Co., 247 Park Ave., New York City, N. Y., $80,970. Grand total $444,537. This corrects report in Sept. 29 issue.

Steel Cells—Freehold, N. J.—Bd. Freeholders Monmouth Co., steel cells in jail, to Van Doorn Iron Wks., 2585 East 79th St., Cleveland, O., $42,500.

Subway Stations—Phila., Pa.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., station finish for Race-Vine, Spring Garden, Fairmount and Girard Stations, Broad Street Subway, Constr. 181, to Golden Constr. Co., 263 South 15th St., $321,725. Noted Sept. 15.

Train Shed—Pittsburgh, Pa.—Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Broad St. Sta., Phila., general contract seven 1 story, temporary train sheds and platforms at east end present sheds, Pennsylvania Station, here, to John F Casey Co., Aspinwall. Engrs. est. $40,000.

Bath House, etc.—Wash., D. C.—Pub. Buildings & Pub. Parks, bath house, beginners swimming pool and another swimming pool, at McKinley High School, here, to G. G. Loehler, Franklin Natl. Bank Bldg., $79,950. Noted Aug. 25.

Wharf Extensions—Lake Charles, La.—Wharf & Dock Bd., extending 734 ft. dock, 180 ft. wide, constructing wall, etc., to Doullut & Erwin, Q and C Bldg., New Orleans, $221,762. Noted Aug. 18.

Gas Pipe Line—Texas—Dixie Gulf Gas Co., Houston, 300 mi. 21 in. pipe line from Waskom gas field in East Texas to Houston and Port Arthur, to Hope Eng. & Supply Co., Mount Vernon, O. Engrs. est. $14,000,000.

Pipe Line—Texas—Wakefield & Bryant, Brownwood, will build 12 mi. 4 in. welded pipe line from field near Brownwood to Brady, by day labor. $70,000. Private plans.

Grain Elevator — Longview, Wash. — Comrs. Longview Port, 370,000 bu. grain elevator, to Alloway & Georg, Hutton Bldg., Spokane, $371,813. Engrs. est. $416,000.

Lighting System—Anaheim, Calif.—E. B. Merritt, city clk., ornamental lighting system on North and South Lemon Sts., to Robertson Electric Co., 303 South Main St., Santa Ana, $25,602; East and West Bway., also North Lemon St., to Walker & Martin, 402 West Wilshire Blvd., Fullerton, $44,981 and $25,124 respectively. Noted Sept. 15.

Transit Shed—Los Angeles, Calif.—Los Angeles Harbor Comn., F. Nicholson, harbor engr., general contract 120 x 960 ft., steel transit shed, at San Pedro Berth 228-D, to Lynch Constr. Co., 730 Merrill Ave., $127,495. Noted Apr. 21.

Power Line—Modesto, Calif.—Modesto Irrigation Dist. will build 40 mi. power line, by own forces; furnishing copper, to Pacific States Electric Co., 575 Mission St., San Francisco, $32,004; insulators and hardware, to Ohio Brass Co., Matson Bldg., San Francisco, $12,500; galvanized steel poles, to Pacific Coast Steel Co., Rialto Bldg., San Francisco, $41,000.

Lighting System—Sacramento, Calif.—Ornamental lighting system on portions Jeffery Ave., etc., to Teichert & Son, Inc., Ochsner Bldg., $66,282.

Materials

Proposed Work

Fuel Oil—Brawley, Calif.—O. M. Juvenal, city clk., plans purchasing six to ten 10,000 gal. cars fuel oil, 20 to 30 degree gravity.

Gravel—Fresno, Calif.—D. M. Barnwell, clk. Fresno Co., plans purchasing 2,000 tons gravel graded in size from 2 in. down to sand, delivered f.o.b. Dos Palos.

Round Rock—Los Angeles, Calif.—Los Angeles Co. Flood Control Dist. plans purchasing 8,500 tons No. 1 round rock.

Bids Desired

Wrought Iron Pipe, etc.—Boston, Mass. Oct. 11, by Transit Dept., 1 Beacon St., 1,200 lin.ft. wrought iron pipe and couplings f.o.b. cars 14 Cypher St., South Boston.

Fuel Oil — Boston, Mass. — Oct. 11, by Supply Dept., light and heavy fuel oil to various departments as required. To exceed $5,000. H. S. Frost, supt.

Portland Cement—New York, N. Y.—Oct. 14, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 4,000 bags portland cement and 250 tons asphaltic cement.

Asphaltic Oil, etc.—New Jersey—Oct. 17, by State Hy. Comn., Trenton, 26,550 gal. Grade HK asphaltic oil, and 2,745 gal. white lead paint. A. L. Grover, secy.; adv. E. N.-R. Oct. 6.

Frogs, Switches, etc.—Phila., Pa.—Oct. 13, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St, West Phila., frogs, switches, etc., Contr. 117.

Gravel — Grenada, Miss. — See "Streets and Roads."

Transformers, Bracket Fixtures, Cable, etc.—Chicago, Ill.—Oct. 10, by Dept. Gas & Electricity, Room 416, City Hall, 4.2 kva. manhole type transformers, aluminum bracket fixtures, pole type series transformers for 1,000 cp. lamps, manhole types for 1,000 cp. lamps, single conductor 600 volt 8-B and S. G. 30% para rubber insulated lead covered, jute covered cable, single conductor 5,000 volt 8-B and S. G. 30% para rubber insulated lead covered flexible steel taped jute covered cable and single conductor 4, 8 and 12 conductor, 5,000 volt 8-B and S. G. 30% para rubber insulated lead covered cable for extending city lighting system.

Lighting Posts and Cable — Cleveland, Okla.—E. C. Mullendale, mayor, and City Council in market 50 "White Way" posts and 8,500 lin.ft. double conductor armored cable.

Pipe—Rotan, Tex.—C. C. Moore, Throckmorton, taking bids 16,000 ft. 1- to 6-in. pipe for natural gas system. Noted Aug. 4.

Bids Received

Cement—Tracy, Calif.—W. Schlossman, secy. Banta Carbona Irrigation Dist., Sept. 21, 4,000 bbl. portland cement, from Santa Cruz Portland Cement Co., Crocker Bldg., San Francisco, Yosemite Portland Cement Co., Mills Bldg., San Francisco, Pacific Portland Cement Co., Pacific Bldg., San Francisco, Henry Cowell Lime & Cement Co., 2nd and Market Sts. San Francisco, Calaveras Portland Cement Co., 315 Montgomery St., San Francisco and Tracy Lumber Co., Tracy, at $2.81 per bbl.

See proposal advertising on page 151

Constr. News page 187

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Unit Price Lists Published in September, 1927

		Issue of
Bridge	Harrisburg, Pa.	Sept. 15
Bridge	Los Angeles, Calif.	Sept. 22
Bridge	Chicago, Ill.	Sept. 29
Bridges	Illinois and Missouri.	Sept. 8
Channel Wall	Lockport, Ill.	Sept. 29
Cleaning and Covering Channel	Syracuse, N. Y.	Sept. 29
Flood Control	Los Angeles, Calif.	Sept. 29
Pipe Line	Massachusetts	Sept. 1
Power House	Ponca City, Okla.	Sept. 22
Power Plant	Jacksonville, Fla.	Sept. 15
Road	Wyoming	Sept. 15
Road	Idaho	Sept. 15
Sewage Treatment Works	Chicago, Ill.	Sept. 1
Sewer	Syracuse, N. Y.	Sept. 1
Sewer	Houston, Tex.	Sept. 15
Sewer	New Jersey	Sept. 22
Sewerage System	Granville, N. Y.	Sept. 8
Sidewalk, Curb, Gutter and Road Work	Mt. Ephraim, N. J.	Sept. 1
Street Improvement	San Luis Obispo, Calif.	Sept. 29
Water Mains	Detroit, Mich.	Sept. 8
Reservoir Covers	St. Louis, Mo.	Sept. 29
Road	Houston, Tex.	Sept. 29

Sewers—Laramie, Wyo.

Bids were opened by City, Apr. 12 (lowest three and highest), for installing storm sewers, from (A) A. H. Reed, Cheyenne (awarded contract); (B) Lawrence Constr. Co., Denver; (C) Constr. Serv. Co., Denver; (D) Inman & Crum, Casper. The unit bids are as follows:

	A	B	C	D
9,000 cu.yd. earth excav.	$1.03	$1.40	$1.44	$1.80
6,000 cu.yd. earth excav. outlet ditch	.18½	.15	.18	.27
Rock excavation	4.50	5.00	5.40	6.00
Old sheeting in trench	55.00	35.00	60.00	40.00
New sheeting in trench	75.00	50.00	110.00	65.00
990 lin.ft. 60-in. rein. conc. culvert pipe	13.70	11.56	11.74	14.50
345 lin.ft. 60-in. rein. conc. sewer pipe	10.50	10.26	10.30	12.00
992 lin.ft. 54-in. rein. conc. sewer pipe	7.89	8.26	8.32	11.00
910 lin.ft. 36-in. rein. conc. sewer pipe	3.86	3.99	4.01	6.00
910 lin.ft. 36-in. std. V. C. pipe	.....	.....	7.50	8.00
640 lin.ft. 12-in. cement conc. pipe	.....	.....	.75	.....
640 lin.ft. 12-in. std. V. C. pipe	1.05	.70	.72	1.20
2 std. brk. man holes	75.00	75.00	85.00	100.00
2 std. conc. man holes	75.00	75.00	85.00	90.00
4 special man holes	100.00	125.00	130.00	240.00
23 std. curb inlets	48.00	60.00	62.00	55.00
15 yd. outlet bulkhead	300.00	225.00	250.00	525.00
990 60-in. culvert pipe dbl. rein.	.....	12.70	13.80	.....
Total based on conc. manholes and conc. pipe in larger sizes	$41,531	$43,011	$43,845	$56,403

Engineering News-Record, Issue of October 6, 1927.

Bridge—Montana

Bids were opened by State Highway Commission, Butte, July 13, for constructing Sun River Bridge on Ulm-Great Falls Highway, Cascade Co., from (A) McGuire & Blakeslee, Great Falls, (awarded contract); (B) W. P. Roscoe, Billings; (C) Illinois Steel Bridge Co., Spokane, Wash.; (D) Lafferty & Byers, Coeur d'Alene. The unit bids are as follows:

	A	B	C	D
321,000 lb. structural steel	$0.081	$0.08¼	$0.08	$0.086
75,000 lb. reinforcing steel	.08	.07	.07	.07
1,500 lb. bronze plates	.60	.70	.60	.65
480 cu.yd. class "A" concrete	25.80	25.52	28.00	29.00
250 cu.yd. 1:2:3 mix conc. in deck	26.70	27.08	30.20	30.00
415 cu.yd. excav. for foundations	7.00	9.30	8.40	9.00
2,500 lin.ft. piling for foundations	1.10	1.20	1.30	1.20
60 cu.yd. gravel backfill	3.00	3.98	5.00	3.00
Totals	$57,795	$58,900	$59,856	$62,166

Engineering News-Record, Issue of October 6, 1927.

Pipe—Azusa, Calif.

Bids were opened by Azusa Irrigating Co. for furnishing riveted steel pipe of various sizes, from (A) Baker Iron Wks., 912 North Bway.; (B) Lacy Mfg. Co.; (C) Western Pipe & Steel Co.; (D) Los Angeles Mfg. Co.; contractors, all of Los Angeles. The unit bids are as follows:

	A	B	C	D
Schedule A				
54,000 lin.ft. 4-in. riv. steel pipe, 14 ga.	$0.33	$0.34	$0.33	$0.35
32,000 lin.ft. 5-in. riv. steel pipe, 14 ga.	.43	.445	.43	.45
42,000 lin.ft. 6-in. riv. steel pipe, 14 ga.	.50	.51	.55	.53
Schedule B				
10,000 lin.ft. 8-in. riv. steel pipe, 14 ga.	$0.735	$0.75	$0.75	$0.75
7,000 lin.ft. 10-in. riv. steel pipe, 14 ga.	.963	.975	.95	1.01
6,500 lin.ft. 12-in. riv. steel pipe, 14 ga.	1.14	1.16	1.10	1.19
10,000 lin.ft. 18-in. riv. steel pipe, 12 ga.	2.12	2.16	2.20	2.22
Alternative Items				
10,000 lin.ft. 20-in. riv. steel pipe, 12 ga.	$2.42	$2.45	$2.50	$2.16
10,000 lin.ft. 20-in. riv. steel pipe, 10 ga.	2.86	2.90	3.00	2.90
Totals Schedule A	$52,580	$54,020	$54,680	$55,560
Totals Schedule B	42,701	43,465	43,300	44,505

Engineering News-Record, Issue of October 6, 1927.

Sewer—Chicago, Ill.

Bids were opened by Sanitary District of Chicago, July 28, for North Side Intersecting Sewer, Contr. No. 9, from (A) Byrne Bros. Constr. Co., 624 South Michigan Ave., (awarded contract); (B) E. J. Albrecht, 35 South Dearborn St.; (C) Nash Bros., 10 South LaSalle St.; (D) T. J. Forschner Contg. Co., 5201 West Pershing Rd. The unit bids are as follows:

	A	B	C	D
River crossing at Barry Avenue, (lump sum)	$93,000.00	$91,329.00	$109,000.00	$120,800.00
River crossing at Grace Street, (lump sum)	70,000.00	61,778.00	96,900.00	88,100.00
Channel crossing at Bryn Mawr Avenue (lump sum)	10,000.00	20,742.00	25,300.00	27,200.00
Channel crossing at Peterson Avenue (lump sum)	21,500.00	21,207.00	24,000.00	25,000.00
Channel crossing at Devon Avenue (lump sum)	21,900.00	22,277.00	27,100.00	27,900.00
Channel crossing at Touhy Avenue (lump sum)	25,000.00	24,328.00	28,600.00	29,200.00
Channel crossing near Lake Street (lump sum)	30,500.00	30,368.00	34,900.00	35,900.00
Ditch outfall (lump sum)	5,000.00	4,951.00	3,300.00	3,100.00
50,000 lb. reinforcing steel	.08	.08	.08	.06
10 cu.yd. rock excavation	5.00	5.00	5.00	5.00
100 cu.yd. additional earth excav. in tunnel	4.00	4.00	4.00	4.00
100 cu.yd. additional earth excav. in open cut	3.00	3.00	3.00	3.00
100 cu.yd. additional concrete, Class A, in tunnel	17.00	17.00	17.00	17.00
100 cu.yd. additional concrete, Class A, in open cut	14.00	14.00	14.00	14.00
100 cu.yd. additional concrete, Class B	12.00	12.00	12.00	12.00
Totals	$285,950	$286,030	$358,150	$365,250

Engineering News-Record, Issue of October 6, 1927.

Constr. News page 188

UNIT PRICES *Continued on page 188a*

"We're putting all our trucks on BUDD-MICHELIN Dual Wheels . . . and saving money"

ANY fleet of 28 dump trucks is likely to be an expensive family. So the Western Gravel Company were hunting economy when they put their first truck on Budd Duals.

And they found it!

"Our first truck on Budd Duals went on the road in June, hauling two six-bag batches to the load—8400 pounds," says C. M. Fitch, president of the company.

"Budd Duals did the work so much better that by August we had seven trucks on them.

"We hope to soon have our entire fleet on Budd Duals, with one-size tires all around. Budd Duals have saved us money."

And Budd Duals will save *you* money, too—*six ways* . . .

(1) GREATER SPEED—more loads per day.
(2) BETTER TRACTION—fewer hold ups in soft ground.
(3) LONGER TRUCK LIFE—thousands of miles of extra service from your trucks.
(4) LOWER REPAIR AND MAINTENANCE COSTS—from 25% to 50% lower.
(5) GREATER TIRE MILEAGE—from 15,000 to 20,000 miles to the set of tires because of positive alignment.
(6) ONE SIZE TIRES—and one size wheels, all interchangeable. One wheel service for the fleet.

If you're running a fleet of dump trucks, this difference in wheels can make a difference in your bids!

BUDD
WHEEL COMPANY
Detroit

YOU GET FROM 15,000 to 20,000 MILES from a set of tires on Budd Wheels—

Because Budd Duals *always* run true as an arrow—

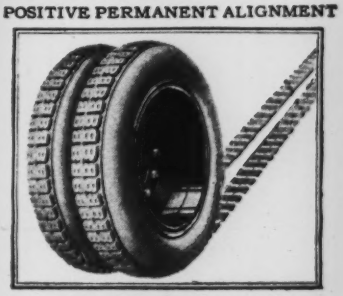
They can't get out of alignment to wobble and shimmy—

They have no demountable rims, no rim clamps—

So you can't get a tire on crooked, because correct mounting is not left to chance and driver.

This positive, *permanent* alignment is made possible by Budd Dual design.

POSITIVE PERMANENT ALIGNMENT



GREATER TIRE MILEAGE

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Wharf—Algiers, La.

Bids were opened by Commissioners of Port of New Orleans, 500 Camp St., New Orleans, Sept. 7, for constructing two 500-ft. lengths of creosoted timber and piling, flat deck wharf, for Todd Dry Dock & Shipyard Co., (lessee) from (A) Hampton Reynolds, Maison Blanche Bldg., (awarded contract); (B) John Reiss, New Orleans Bank Bldg.; (C) W. H. Williams, 821 Howard Ave.; contractors all of New Orleans. The unit bids are as follows:

	A	B	C
I—Piling			
350—100 ft. spliced piles in place	$112.00	$119.00	$112.50
547—85 ft. vertical piles in place	72.00	88.60	91.00
84—85 ft. batter piles in place	122.50	113.95	107.50
127—85 ft. fender piles in place	88.00	90.60	91.00
1,024 cutting off vertical and fender piles	1.00	.65	.60
84 cutting off batter piles	2.00	.65	1.00
987 Pile cut off protection for vertical and batter piles	1.50	.71	1.50
127 pile cut off protection for fender piles	1.50	.95	1.75
II—Timber Construction			
130,300 bd.ft. permanent braces in place on piles per M	139.00	134.45	136.00
29,300 bd.ft. blocks, checks and corbels on piles	163.00	142.70	179.00
60,900 bd.ft. laminated caps in places	124.00	109.00	136.00
19,800 bd.ft. deck stringers in place	125.00	94.30	116.00
68,100 bd.ft. cross ties in place	123.00	94.30	107.00
9,650 nailers over tiles in place	145.00	103.00	97.50
25,400 bd.ft. front wharf log in place	155.00	133.00	151.00
8,530 bd.ft. rear and end wharf logs in place	157.00	105.00	125.00
5,926 bd.ft. mooring bit timbers in place	158.00	109.30	.....
30,450 sq.ft. 3 in. x 8 in. decking in place	.30	.28	.285
1,009 lin.ft. angle iron headers for decking in place	.44	.29	.35
4 tops, top protection for vertical corbels bolted to piles	18.75	.71	1.50
III—(a) Track construction of 80 lb. rail —1,015 ft. of track	2.25	2.22	2.50
IV—Placing mooring bitts; including furnishing anchor bolts	50.00	7.00	25.00
V—Wharf and changes; moving wharf logs, tangent tracks, decking, recutting piles and caps, etc. (lump su.m)	600.00	150.00	275.00
Time to complete (days)	100	150	130
Totals	$ 164,013	$166,593	$172,100

Engineering News-Record, Issue of October 6, 1927.

Sewer—Sacramento, Calif.

Bids were opened by City for constructing Unit No. 4 of sewerage system, from (A) F. P. Bassler, Forum Bldg., (awarded contract); (B) D. McDonald; (C) Municipal Impvt. Co.; (D) R. B. McNair; (E) Fredrickson & Watson; (F) Gould & Pollock. The unit bids are as follows:

	A	B	C	D	E	F
1,994 lin.ft. excav...	$16.50	$17.00	$15.50	$18.00	$15.00	$18.50
1,984 lin.ft. 6x6-ft. precast reinf. conc. sewer	20.00	20.00	23.00	21.00	24.50	20.50
200 cu.yd. conc. type A cradle	9.00	12.00	10.00	12.00	9.50	11.00
1,000 cu.yd. crushed rock	5.00	5.50	5.50	5.00	5.25	5.25
5 manholes	175.00	80.00	100.00	75.00	125.00	90.00
1 junction chamber (lump sum)	500.00	500.00	425.00	365.00	200.00	800.00
Totals	$80,756	$82,378	$84,964	$85,696	$86,243	$86,261

Engineering News-Record, Issue of October 6, 1927.

Road—Wyoming

Bids were opened by State Highway Commission, Cheyenne, June 14 (lowest four and highest) for Constructing F. A. Project No. 138-B, Cheyenne-Pine Bluffs Rd., Laramie Co., from (A) Western Constr. Corp., (awarded contract); (B) Real & Kennedy; (C) J. J. Dooling; (D) Jesse Davis; (E) C. T. Whallen. The unit bids are as follows:

	A	B	C	D	E
225,500 cu.yd earth	$0.18	$0.179	$0.189	$0.19	$0.22
100 cu.yd. loose rock	1.00	.75	1.00	.50	.40
50 cu.yd. solid rock	2.00	.75	.50	1.00	1.00
100 cu.yd. sta. overhaul	.05	.05	.04	.03	.02
2,724 lin. ft. unload and place pipe	.40	.40	.40	.50	1.00
159 lin.ft. Class B conc. endwls.	15.00	25.00	20.00	22.00	27.50
608 cu.yd. snowfence	.80	1.00	.90	1.00	1.10
104,736 lin.ft. moving R W fence	.01	.02	.02	.02	.03
73,842 lin.ft. R/W fence	.03	.05	.05	.04	.045
Totals	$47,479	$51,404	$52,785	$52,894	$63,272

Engineering News-Record, Issue of October 6, 1927.

Sewer and Settling Tanks—Vineland, N. J.

Bids were opened by Board of Commissioners, Borough Hall, Sept. 13, (lowest four and highest) for constructing trunk sewer and settling tanks, from (A) A. R. Morehouse Co., 315 Market St., Camden, (awarded contract); (B) Louis Marinaro, Morristown; (C) R. F. Relly Contg. Co., Easton, Pa.; (D) P. J. Moran, New Brunswick; (D) The Erection Co. of New York, New York City, The unit bids are as follows:

	A	B	C	D	E
1,060 lin. ft. 22 in. V.T.—0– 6 ft. deep	$3.30	$2.85	$3.98	$3.70	$6.00
1,100 lin. ft. 6– 8 ft.	3.54	3.00	4.33	4.00	8.00
760 lin. ft. 8–10 ft.	3.89	3.50	4.68	4.30	10.00
700 lin. ft. 10–12 ft.	4.10	5.00	5.33	4.70	12.00
60 lin. ft. 12–14 ft.	4.60	10.00	6.14	5.10	14.00
300 lin. ft. 24 in. V.T.—0– 6 ft.	3.71	3.00	4.28	4.25	6.50
1,270 lin. ft. 6– 8 ft.	3.85	4.50	4.63	4.60	8.50
3,420 lin. ft. 8–10 ft.	4.29	5.10	5.00	5.00	10.50
1,560 lin. ft. 10–12 ft.	4.50	5.50	5.53	5.45	13.00
1,020 lin. ft. 12–14 ft.	6.20	7.35	6.34	5.85	14.00
170 lin. ft. 14–16 ft.	7.50	15.00	7.00	7.20	20.00
10 lin. ft. 16–18 ft.	8.84	20.00	8.00	8.50	22.00
32 manholes, 0–8 ft.	75.48	100.00	85.00	80.00	170.00
50 ft. manholes, 8 ft.+	10.00	20.00	10.00	20.00	20.00
20 cu.yd. rock	1.00	1.00	2.00	2.00	20.00
50 cu.yd. concrete, 1-3-5	15.00	16.00	12.00	12.00	18.00
25 cu.yd. extra excavation	1.50	6.00	1.25	1.50	4.00
1 ton cast iron pipe	70.00	75.00	100.00	100.00	160.00
15 M ft. b. m. lumber	80.00	90.00	50.00	80.00	80.00
500 ft. piles	1.00	2.00	1.50	3.00	2.00
500 ft. 5 in. house connections	.70	1.00	.80	1.50	.75
100 ft. 5 in. deep house connections	5.31	2.50	4.50	6.00	.75
Settling tanks (lump sum)	21,873.00	21,500.00	22,372.40	24,000.00	43,000.00
4,000 cu.yd. excavating settling tanks	.90	.85	1.20	1.00	4.00
Totals	$80,723	$89,210	$90,779	$91,568	$188,485

Engineering News-Record, Issue of October 6, 1927.

Constr. News page 188a